

Role of retro movement in contemporary residential furniture design

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الملخص

يدور الطراز الداخلي بنمط " الريترو" حول القيم الجمالية في فترة الأربعينيات ونهاية الحرب العالمية الثانية ، وغالبًا ما يشير إلى فترة التصميم تقريبًا بين الخمسينيات والسبعينيات. أعادت الحركة الرجعية صياغة للأنماط التي تم إنتاجها منذ الثورة الصناعية. كيف ينسق المصممون التصميمات بنمط " الريترو" مع مجموعة متنوعة من التصميمات الداخلية وأنماط الأثاث ، بما في ذلك التصميم الريفي والمعاصر والصناعي. يخلق المصممون اليوم ترابط بين أنماط وفترات التصميم ، للابتعاد عن فكرة التصميم الخالص ، والتي يمكن أن تصبح بمفردها غير شخصية ومملة ، لذا من الممل أن يكون لديك فراغ كامل بتصميمات عتيقة، ولكن يمكن أن يكون لديك قطعة من الأثاث بنمط "الريترو" فريدة من نوعها لإثراء مساحتك ، فمن المفترض أن تكون هذه القطعة حنيئًا من الماضي وتتطلع إلى وقت راقى في التاريخ له تأثير علي المستخدم. التصميم الداخلي العصري الحديث هو مصطلح يستخدمه المصمم الداخلي حيث يصف مزيجًا انتقائيًا من المميزات العتيقة والمعاصرة ، لذا مزج العناصر من الأوقات المختلفة ، تخلق ربطًا زمنيًا بين الماضي والحاضر. يختلف الأثاث القديم بشكل كبير عن معظم الأثاث الحديث حيث انه يتميز بألوانه وإشراقه، بأشكال فريدة و مميزة ، غالبًا ما تحدد القطع الأيقونية حقبة ما وتلعب دورًا مهمًا في شخصية الحيز ، لذا يجب علي المصمم أن يكون فطن في تصميم هذه القطعة الفريدة حيث أن الهدف من هذه الأفكار هو استحضار الذكريات الممتعة لخلق حيز مألوف للمستخدم.

الكلمات المفتاحية

الحركة الرجعية " ريترو"، عصور تصميم مختلطة ، تصميم أثاث سكني.

Abstract:

The retro interior style is about the 1940's glamor and the end of World War II, often refers to the design period roughly between the 1950s and the 1970s.

The Retro movement rehashed styles produced since the Industrial Revolution.

Designers coordinate retro designs with a wide variation of interior design and furniture styles, including rustic, contemporary , and industrial design.

Designers use the term "Retro style" to characterize styles that have been created or inspired from the past.

Designers nowadays create a link between styles and designs, to move away from the idea of pure design, which on its own can become impersonal and boring, so its boring to have interior space with only retro design, but can be unique to have a piece of retro furniture antique to enrich your space. It is meant to be nostalgic and looks to an elegant time in history which influences users.

Modern retro interior design is a term used by interior designer to describe an eclectic mix of vintage and contemporary features, so mix elements from different times, creating a time link from the past to the present.

Retro furniture greatly differs from most modern furniture; They are bright and colorful, with unique shapes. Iconic pieces often define an era and play an important role in characterizing the interior space, so the designer must be wise in choosing this unique piece of furniture. The aim of this thoughts is to evoke pleasant memories, in order to create a familiar interior space for user.

Key words:

Retro style, furniture design, mix design eras, residential furniture design.

Introduction:

Since the industrial revolution of the 1970s, the term "retro" has been used to describe distinctive pieces of furniture that repeat the features of the eras, and the French word, *Rétro*, is short for *Rétrospectif* (English: retrospective) ⁽⁹⁾.

The word "retro" gained cultural cognition through a reassessment of Charles de Gaulle and France's role in World War II.

Hence, the term "retro" was applied to French fashions that evoked the eras of the 1950s and 1970s. Subsequently, 'retro' was introduced to English culture through the fashion media press, where the word was identified with a revival of previous eras. Designers used the term 'vintage style' to describe styles that were recreated or inspired by the past.

So, the meaning of "retro style" is the revival of the styles or trends of the past, it does not mean that the designs are old but that they adapt to the styles of previous eras.

The 'retro' style designs represent past era when designers were experimenting with new materials to create pleasantry, vibrant interior design and furniture design. Whereas, "Funk" is also a word commonly associated with the "retro" style ⁽¹²⁾.

Designers used the term "retro" to describe vintage styles and inspiration from the past in the design process, whether in interior or furniture design. Retro interior design is an eclectic mix of old styles and new shapes ⁽¹⁹⁾, or new shapes with old materials and finishes. The designer can create a link between the styles and periods of design, to get away from the idea of pure design, which on its own can become impersonal and boring, but rather design a unique piece of furniture that looks forward to a sophisticated time in history that has an impact on the user. Furniture design with "retro" style does not mean that the designs are old only, but they adapt to the styles of previous eras and are composed with them.

The art of "retro" may be characterized by aesthetic and formal values, where the elements, colors, and the variety of patterns ⁽⁹⁾ that are mixed with furniture are based on scientific standards and experiences within an intellectual structure that expresses its function and relationships perceived by our senses in order to distinguish the extent of its impact on the user which making it valuable and unique pieces. Therefore, the designer must be smart in designing this unique piece, as the goal of these ideas is to evoke pleasant memories ⁽¹¹⁾ to create a unique interior space for the user.

Research problem:

It comes in the form of questions

- Can the interior designer combine "retro" style furniture with contemporary design to link the features of the past and present era?
- Is it possible to utilize the art of "retro" to design contemporary residential furniture?

Research hypotheses:

- It is possible to take advantage of vintage style for interior and furniture design, which called "retro" art that appeared around the forties and the end of World War II.
- It is possible to Integrate elements and design styles, to design contemporary residential furniture influenced by "retro" art.

Research importance:

- Recognizing the aesthetics of "retro" art and having benefit from using of its elements, patterns and colors to enrich the field of contemporary furniture design.

Research aims:

- Coordination of "retro" style designs with a various interior designs and furniture styles in contemporary residential spaces.
- Creating a bond between patterns and design periods, to move away from the idea of pure design.
- Studying and determining the development of “retro” style furniture design and the extent to benefit from it in 2022, which I expect to be the future trend in the up-coming period.

Research Methodology:

- The inductive historical method: It examines the vintage interior style, which is called "retro" art, and the extent to benefit it, in the contemporary residential space, extracting its elements, colors, and patterns.
- 1- The analytical method: Aims to analyze models of "retro" style furniture.
- 2- The deductive method: Take advantage of units, patterns and elements of the "retro" style and develop them in the design of contemporary residential furniture.

First: Theoretical framework:

The "retro" is a style that is consciously derived from lifestyles, trends, or art forms from history, including in all art directions from music, fashions, or attitudes found in the popular cultural heritage. ⁽⁹⁾

1- Characteristics of the "Retro" style:

1-1-Design style:

Retro designs represent a pervious era, when designers were experimenting with new materials to create pleasntry and vibrant interiors, and where “Funk” is also another word commonly associated with retro style. ⁽¹²⁾

The design style of "retro” movement has clear and abstract lines, as each piece of furniture is characterized by the functional values for which it was designed, which is practical and comfortable for the user.

The designers also combined a balanced mix of imaginative furniture in the "retro" style design, each piece of furniture creating a visual focal point without competing.



Pic. (1) shows a storage unit in a retro style, as it is characterized by simple clear lines, curved legs, and using patterns in dynamic colors with natural wood texture.

<https://www.pinterest.com/pin/914862417717022/>



Pic. (2) shows a buffet in the retro style, which is characterized by simple lines and bright, unique and vibrant colors, designed by anne bossert.

<https://www.interio.sg/article/definitive-guide-to-retro-interior-design-style>



Pic. (3) shows a multi-functional chair designed with side table to emphasize the functional thought of the furniture piece with retro style, as it is characterized by simple lines and a dynamic color of upholstery that matches the color of the wood, Manufactured by 'Chippy Heath'.

<https://www.pinterest.com/pin/11962755239203088/>

2-1- Muted color:

The "retro" style uses many bold, strong, bright and lively colors ⁽¹⁷⁾. These colors add to the design of space or furniture a pleasntry atmosphere by mixing colors that seem incompatible, but they have a psychological effect on the user, as they are vibrant colors and attract attention. ⁽⁹⁾

Such as the green “avocado” along with yellow “ocher”, pink and red “cherry” and combinations of brown with black ⁽⁷⁾, white, blue with violet and others as shown in the following pictures of color samples No. (4), (5), (6).



Pic. (4), (5), and (6) shows palette of lively and dynamic colors used in interior design and furniture with "retro" style .<https://www.pinterest.com/pin/847169379912088685/>

3-1- Heavily patterned:

The "retro" style design is characterized by contrasting and repeated geometric pattern. This design is a style that refers to the arrangement of motifs from the fifties of the last century until the sixties. One of its uses is the use of geometric shapes and cheerful colors with the use of synthetic materials. ⁽⁹⁾

Where the inscriptions extend to the interior design in the walls, floors, and furniture.

Where also, the furniture is designed in an energetic and lively manner, this style may be characterized by creative chaos full of innovation.



Pictures (7), (8), and (9) shows different paterrens, which consist of a symmetrical shape, but with a number commensurate with the space required regularly. Geometric patterns or decorative units are often used to provide movement in design.

<https://www.pinterest.com/pin/296252481746382388/>

<https://www.pinterest.com/pin/1337074884433041/>

4-1- "Retro" style Materials:

Material innovations in industry from 1960's to 1970's encouraged new creations especially in interior elements. So, materials such as plastic, acrylic, fiberglass, vinyl and new technology were used in the treatment of plywood in manufacturing furniture, as it is an eclectic mixture of old styles and new materials or new forms with old finishes as shown in pictures (10), (11). Retro design is a style that harkens back to the 1950s to the 1960s. The word retro itself is short for going back to the past, so going back to the past in proportion to the present we live in. One of its most important features is using of geometric shapes, cheerful colors, and also using synthetic materials. ⁽⁷⁾ For example, furniture in the "retro" style is made of fiber, Formica, vinyl, foam rubber, melamine, plastic or chrome. As for the color, this style uses fuchsia, red, yellow and orange, so the vibrant color, whether for space or furniture, has become one of the design features, as shown in pictures (12), (13).



Pic. (10) and (11) show the combination of metal feet, using the chrome layer in furniture with natural wood, the use of soft plastic and acrylic for a sense of transparency, the furniture is light in weight and with thin legs, especially sofas, chairs, upholstery with artificial leather, and the use of vibrant, lively colors in furniture design. <https://lines-hub.com/how-to-create-the-perfect-retro-interior-design-style/>



Picture (12) shows the upholstery materials used in furniture and the simplicity of the lines, with dynamic colors, designed by Casey H <https://www.decorilla.com/online-decorating/retro-interior-design/>

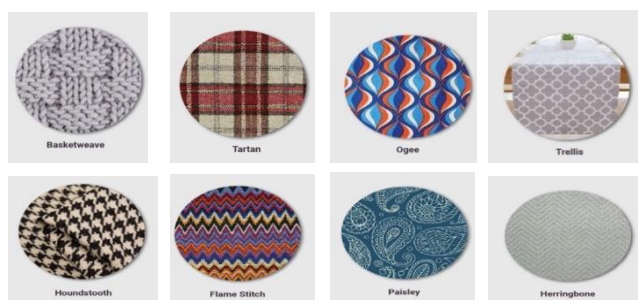
Picture (13) shows maintaining simplicity in design and richness in interior space, simplicity and clarity are the characteristics of the "retro" style that it derives from minimalism movement, decorated by Viviana Agostinho. <https://lines-hub.com/how-to-create-the-perfect-retro-interior-design-style/>

5-1- Fabric pattern used in "retro" style:

The texture on the surfaces is also an important element design. soft, finishing touch are rare in the vintage style. Instead, heavy patterns are used in textiles and upholstery which added to furniture pieces to give personality to interior space. ⁽⁹⁾

There are different shapes and patterns in the fabric used in the “retro” style furniture, as shown in picture (14), for example, gingham and tartan.

The "retro" style furniture design has a lot of opportunities to reshape the furniture pieces and use handmade tools in manufacturing, so the retro style furniture pieces are unique to the user's visual perception.



Picture (14) showing different shapes of patterns in fabric used in all kind of furniture upholstery. <https://www.interiio.sg/article/definitive-guide-to-retro-interior-design-style>

6-1- Retro furniture style:

The "retro" design style was unusual, it was influenced by the post-war period of the 1960s⁽¹⁶⁾. It was a new post-war "hope" style in which designers were ready to be bold, creative and innovative⁽¹²⁾. The furniture that can be used to create the "retro" style should not always be a masterpiece, but it can be easily obtained such as the type of slim-shaped furniture that has decorative patterned fabric and Formica material -based table as a furniture originating in 1950's. Therefore, it can be said that the furniture is characterized by aesthetic and formal values and simple lines as a minimalism trend, and is made of synthetic materials to reach a pleasant atmosphere. The "retro" style is ideal because it is characterized by light, bright and dynamic colors. In order not to get old, the modern "retro" style has been called "Do minimalism with a Retro twist"⁽⁹⁾, which means using the simple line design which used in minimalism, but also adding what is distinguished by the "retro" style with its lively colors⁽¹⁷⁾, raw materials and patterns. The "retro" style was able to use all the simple lines and adapt them in design service. Therefore, the designer is currently referring to the "retro" style, as it helps them to think outside the box and with a reductionist philosophy. The "retro" style never disappeared, but simply has become more popular due to its ease of implementation because of using methods of modern technology.



Pic. (15) shows the circle chair in a retro style, where simplicity and the use of curved lines which was designed by Hans J. Wegner, the use of two natural materials, wood material in the legs and treated ropes, providing them with wheels for ease of movement, and headrest and a seat to combine function and aesthetic value design of chair.

<https://www.decorilla.com/online-decorating/retro-interior-design/>



Pic (16), (17) showing transparent furniture made of materials such as acrylic has been found since the "retro" style. These furniture pieces are ideal for making the space appear transparent and reflecting colors to add a kind of enjoyment to the user. This transparent furniture is well used in any space, whether it is spacious or limited in size, designed by Ian Alistair Cochran.

<https://www.imm-cologne.com/magazine-archive/design-and->

Pic. (18) A "retro" style chair that shows the clear line design with strong curves and a straightened leg, the base and backrest are upholstered in leather, designed by Hans Wegner.

<https://www.decorilla.com/online-decorating/retro-interior-design/>



Pic. (19) shows a unit of drawers made of natural wood with simple minimalist lines, with slanted legs, in addition to the colors palette of the "retro" style to add difference and attraction to the interior space, designed & painted by Jeanie Simpson.
<https://www.pinterest.com/pin/45739752457635318/>




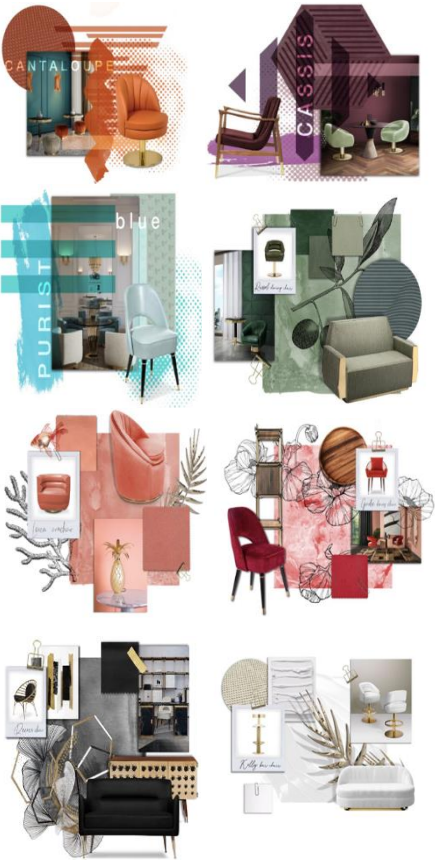
Pic. (20) A rocking chair with a simple and abstract curved line, in which the designer used a combination of wood and chrome-plated metal, and also used patterns with weaving, choosing the colors of "retro" style.
<https://www.interiio.sg/article/definitive-guide-to-retro-interior-design-style>






Pic. (21) shows a piece of furniture "side board tv unit" made of natural wood with abstract lines, in addition to the repetitive geometric patterns with colors palette used in the "retro" style, To be a distinctive piece in the dining room.
<https://www.pinterest.com/pin/386465211783706688/>

-Analytical study of the elements, patterns, colors and materials used in furniture design of "retro" style:

Elements	analysis	Retro furniture style
First: design movement	-The "retro" style used minimalism trend in design concept, where the furniture is characterized by simplicity and abstract shapes, and emphasis on the horizontal, vertical lines, the visual lightness of the furniture pieces, with an attractive appearance. ⁽¹⁾ -Achieving simplicity, flexibility, and effectiveness in design. -The furniture is characterized by engineering force, simplicity, and unity in design. ⁽²⁾ - The piece of furniture with "retro" style is also distinguished by its pure presence, as, it is a unique piece of furniture with a special presence in the interior space and has an impact on the user.	
1- Minimalism		<p>Pic. (22) show a storage unit furniture, using simple lines and reduction in the design form, considering, the aesthetic aspect of the design with circular geometric patterns and bold colors. https://www.pinterest.com/pin/961026007954634415/</p> <p>Pic. (23) show a furniture piece in "retro" style, showing the use of simple lines and reduction in shape, considering, the functional and aesthetic aspects of the design. https://www.pinterest.com/pin/275071489734769017/</p>

<p>2- POP Art</p>	<p>- The "retro" style used the Pop Art trend in designing furniture that featured geometric shapes and bright colors. ⁽⁴⁾</p> <p>-The furniture is characterized by bright colors, attractive pattern, shiny surfaces, and new materials such as plastic and chrome.</p>	 <p>Pic. (24) shows a sofa in the "retro" style, using circular geometric shapes and use of strong, dynamic colors with leather upholstery and chrome-plated metal main structural material, designed by Ettore Sottsass Associati. https://www.mydecor.com/ettore-</p>
<p>Second: Color Palettes ⁽¹²⁾</p>	<p>1-Yellow color: Gives a feeling of joy and enthusiasm, encourages communication, stimulates mental processes.</p> <p>2-Orange: Reflects excitement and enthusiasm, shows warmth in feeling.</p> <p>3-Violet color: It uses calmness and relaxation and represents creativity and imagination.</p> <p>4-Red color: Reflects strength, excessive passion.</p> <p>5-Blue color: Represents calm, serenity and increased productivity.</p> <p>6-Green color: Relieves depression, represents health and calmness.</p>	 <p>Pic. (25) showing the colors which used in "retro" furniture style and its influence on the user. https://www.essentialhome.eu/inspirations/moodboard/best-vintage-moodboards-inspired-2019-decor-trends/</p>

<p>Example: Pieces of furniture using retro colors, explained how color combine with furniture design.</p>	<p>-The designer used colors in the various furniture pieces, adding vitality to the space and reflecting positively on the user.</p> <p>- Storage unit furnitute pic. (26) using both the yellow "Oaker" color that feels fun and positive, the orange color that gives a feeling of warmth, the green color feels calm, using geometric shapes on the wooden storage, and using metal coated with chrome in the legs of the furniture piece.</p> <p>- Multi -functional chair with side table in pic. (27), where the aesthetic, formal and functional values were combined, where simplicity and flexibility in design with the use of natural wood material and the choice of upholstery color that makes the user feel dynamism.</p> <p>-The secretary furniture piece, pic. (28) designed with bent legs, simple design, enriches the space with its colors combined with natural wood.</p>	 <p>https://www.pinterest.com/pin/AWZryKIrf5p5Yb5ysyBe4uqwRckIk41bbNjNR2SHyL2xu0Jdpb1SYO8Fp5taTjkrxiHAXBc4oHf7QSSd35-SSyA/</p>   <p>Pic. (26), (27), and (28) show the colors used in the "retro" style furniture, whether multi-functional chair Manufactured by 'Chippy Heath' , storage unit, and the secretary chair which was designed by sarah murphy.</p> <p>https://www.colourfulsaz.com https://furniture-indonesian.com/retro-vintage-telephone-table-1-drawer</p>
<p>Third: Shape</p>	<p>- The "retro" style uses shapes that consist of two dimensions ⁽³⁾ (width and height), i.e. a two-dimensional design made up of geometric lines</p>	

(circle, triangle, square, rectangle) where the shapes are linked to a specific logic and within a specific space without depth or thickness.

-Thus, the designer must consider, visual harmony by designing abstract work.



Pic. (29) shows the use of the diagonal line pattern in design of storage unit, where the user feels movement and dynamism.

<https://www.pinterest.com/pin/703756183783104/>



Pic. (30) shows the use of circular shapes and straight lines pattern in the design of storage unit furniture, where balance and smoothness in geometrical shapes affect the user.

<https://www.pinterest.com/pin/386465211783706688/>



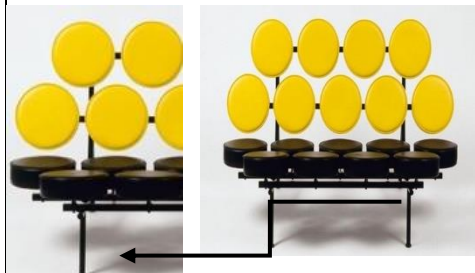
Pic. (31) shows the use of the curved line in the design of chair, where softness, freedom, and realization of the nature line are designed in the furniture piece.

<https://www.pinterest.it/pin/100627372911121565/>





Pic. (32) Using the shape of triangles in the design pattern, showing strength, movement and dynamism.




<https://www.pinterest.com/pin/38632509292156390/>



Pic. (33) The use of circular shapes in design shows flexibility, attractiveness, and softness in design of sofa, designed by Ettore Sottsass Associati.

<https://www.mydecor.com/ettore-sottsass>

<p>Fourth: Pattern ⁽⁹⁾</p>	<p>- Pattern is a design in which lines, shapes and colors are repeated. The part that is repeated is called a motif ⁽²⁰⁾ , Patterns can be regular or irregular.</p> <p>- There are many types of patterns used in furniture design, as:</p> <ol style="list-style-type: none"> 1- Linear strips decorative units "strips pattern". 2- Complex Patterns decorative units. 3- Geometric decorative units. 4-floral decorative unit. <p>The "retro" style uses the type of regular and irregular geometric decorative units according to the design, as shown in pictures (34, 35, 36, 37, 38, 39, 40, 41).</p> <p>-The designer uses patterns on materials, whether wood, acrylic or any kind of materials that are used in furniture, or uses decorative units on the fabric used in the upholstery of sofas and chairs, according to the design.</p>	 <p>Pic. (34, 35, 36, 37, 38, 39, 40, 41) shows the different geometric decorative units that can be used in furniture design.</p> <p>https://www.pinterest.com/pin/286682332517849609/</p> <p>https://www.pinterest.com/pin/99360735522326881/</p> <p>https://www.pinterest.com/pin/288441551141418425/</p>
<p>Fifth: Materials used in retro style.</p>	<p>-The most common materials for furniture in the "retro" style are wood, plastic, acrylic, fiberglass, vinyl, and chrome. ⁽⁷⁾</p> <p>-Each has its advantages and disadvantages.</p> <p>First: Wood, where the piece of furniture made of wood has strength and durability, as shown in the picture (42), but it is flawed by the high cost.</p>	 <p>Pic. (42) shows the storage unit made with natural wood material, where it is durable and strong, with its combination of "retro" style colors.</p> <p>https://www.dailydreamdecor.com/2022/01/5-mid-century-cabinet-styling-ideas.html</p>

	<p>Second: Plastic, is characterized as a low-cost material, easy to clean, comfortable and elegant, easy to make strange and complex designs with curved lines as shown in picture (43).</p>	 <p>Pic. (43) shows an oval chair made of plastic material, as it is easy to clean, easy to make curved lines with this material, and of low cost. https://www.furnishmevintage.com/retr-o-plastic-molded-orange-lounge-chair/</p>
	<p>Third: Acrylic is characterized by high resistance to change of temperature, optical clarity and high transparency. It is half the weight of glass and is ideal for making accurate designs with curved lines. Also have a high durability, as shown in pictures (44) and (45), but it has disadvantage as it gets scratched easily.</p>	 <p>https://www.pinterest.com/pin/539235755374172684/</p>
	<p>- Acrylic material needs regular cleaning because of dirt, smudges and fingerprint marks are more visible on this material.</p>	 <p>Pic. (44), (45) Shows a buffet which is designed by ken bolan studio, and a hanging chair both made of acrylic material, as it is characterized by freedom in design in terms of simple curved lines with high durability, designed by Eero Aarnio. https://moderntovintage.com/portfolio-view/eero-aarnio-vintage-hanging-acrylic-bubble-chair-1995/</p>




	<p>Fourth: Chromium is a technique of electroplating a thin layer of chromium on a metal object. "Chromium" plating is usually applied in a layer between 0.005 and 0.01 mm and is used to make furniture pieces more functionally durable and aesthetically pleasing.</p> <p>Chrome is used in furniture with wood, as shown in pictures (46) and (47).</p> <p>Chromium is often applied to metal materials, as it makes it very resistant to rust, adds strength, and provides shine to the piece of furniture.</p>	 <p>Pic. (46) shows a storage unit made of wood material and chrome-plated metal in legs of furniture piece, with the addition of the distinctive colors of the "retro" style, painted by Alisa Galitsyna. https://society6.com/product/retro-70s-color-palette-iii143323_credenza</p>  <p>Pic. (47) corner chairs made of chrome-plated metal legs and upholstery in the back and seat to provide comfort for the user by adding retro style patterns and color in upholstery. https://www.pinterest.com/pin/24692399210771866/</p>
<p>Fifth: A practical example on furniture pieces using retro style</p>	<p>-Furniture in the "retro" style in different materials, natural wood, plastic, and chromium plating, as shown in picture (48).</p>	 <p>Pic. (48) shows the different materials in furniture design "retro" style, where natural wood was used with upholstery in the sofa, acrylic with chrome-plated metal legs of side tables, plastic material was used in the form of slats in table, so simplicity and flexibility are the basis of this style. https://www.designcafe.com/blog/home-interiors/retro-interior-designs/</p>

Table (1) shows the design style, elements, colors, materials, and patterns which used in

Second: the application framework:

2-1-Contemporary furniture design with "retro" style:

1st model, designed and executed by the researcher

First model: storage unit " BUFFEUT "

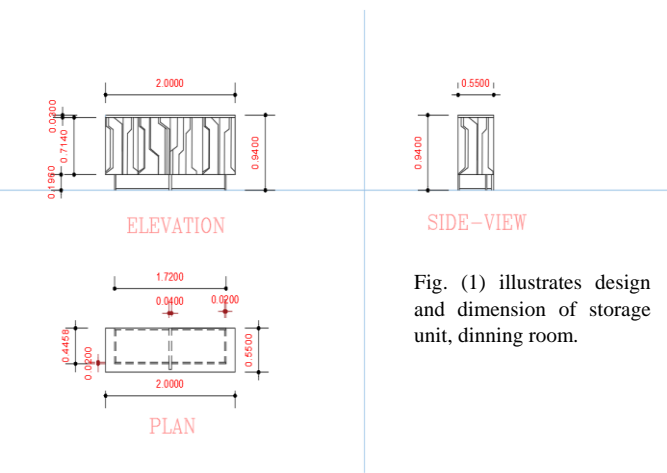



Fig. (1) illustrates design and dimension of storage unit, dinning room.



Pic. (49,50) shows storage unit, in dinning room, design and execution by the researcher in retro style, illustrate elements of design including shape patternen, color , material.

Style of the first model: Storage unit " BUFFEUT "	Color palette	Pattern	Shape	Materials
-Furniture is characterized by simplicity and abstract shapes, and emphasis on the horizontal & vertical lines. - The use of simple lines and reduction in shape,	-Using two colors: Green color: Which Relieves depression, represents health and calmness. -Orange color: Reflects excitement and enthusiasm, shows warmth in feeling.	- Using Linear strips decorative units " strips pattern". -Pattern is a design in which lines, shapes and colors are repeated irregularly.	-Straight lines pattern in the design of storage unit furniture, where balance and smoothness in geometrical shapes affect the user. -Diagonal line pattern in design of storage unit, where the user feels movement and dynamism.	-A storage unit made of wood material and chrome-plated metal in legs of furniture piece. -Wood, where the piece of furniture has strength and durability. -Chromium is often applied

<p>considering, the functional and aesthetic aspects of the design.</p>			<p>to metal materials, as it makes it very resistant to rust, adds strength, and provides shine to the piece of furniture.</p>
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2nd model, design and execution by the researcher

Second model : "ARM-CHAIR"

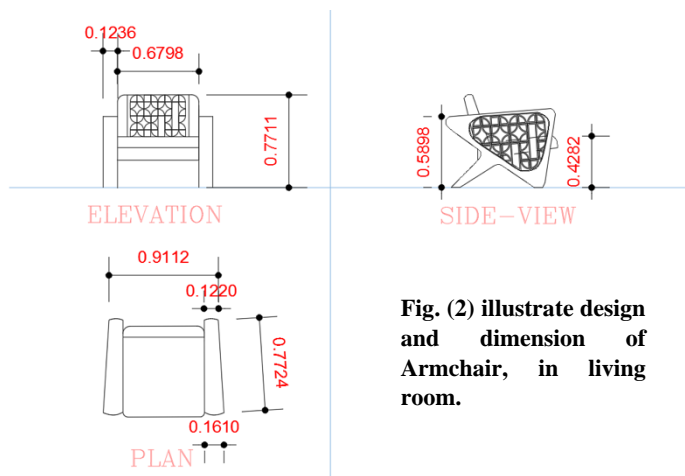


Fig. (2) illustrate design and dimension of Armchair, in living room.



Pic. (51) shows arm -chairs, in living room, designed and executed by the researcher in retro style , illustrates color palette used , wood and gold plated metal material , using more than one shape in design to affect user .

<p>Style of the second model: "ARM-CHAIR"</p>	<p>Color palette</p>	<p>Pattern</p>	<p>Shape</p>	<p>Materials</p>
<p>-The "retro" style used the Pop Art trend in designing arm-chair furniture that featured geometric</p>	<p>-Using more than one color specially, upholstery in the back of the arm-chair to provide comfort for the user by adding retro style patterns and color in upholstery.</p>	<p>-The researcher uses patterns on materials as it shows in metal coated with chromium, and uses decorative units on the fabric used in the</p>	<p>-The use of geometrical curved and diagonal shapes in arm-chair design which shows flexibility, attractiveness, and softness,</p>	<p>-Structure of arm chair made of wood where there are strength, durability and richness. -Also Using metal coated</p>

shapes and bright colors. -The furniture is characterized by bright colors, attractive pattern, shiny surfaces.	Using colors of materials as wood and golden metal.	upholstery of the arm chair furniture, to give personality to interior space.	dynamism and movement that affect the user.	with gold and chromium in the arm of the chair which gives a shiny feel for users.
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Table (2) shows models, design and execution by the researcher, illustrates the design style, elements, colors, materials, and patterns which are used in Retro style.

Third: Search results:

- Studying the basic elements of the "retro" style and the extent to which it is used in the design of residential furniture.
- Achieving a link between the different styles in the same interior space, to reduce the use of the idea of pure design, and to make the "retro" style furniture is the visual focal piece for the user within the space.

Fourth: Recommendations:

- Encouraging furniture designers and students to study vintage arts and how to develop them in an innovative style that suits nowadays.
- Directing designers to combine the sciences of furniture design to reach appropriate design results which have characteristics and elements of "retro" style and return to its application in interior and furniture design.
- The necessity of obtaining courses for academics and designers to study new computer programs specially in furniture design and linking them to the design process to benefit from them in generating design ideas, which reflects positively on thought and creativity.
- The best directive recommendation for companies and manufacturers of contemporary furniture to keep track of what is new in fashion.

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