

Converting Colors

XYZ(64.2692, 62.5283, 24.3735)

Have a look what the booklet for
XYZ(64.2692, 62.5283, 24.3735)
contains.

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Color

**XYZ(64.1869, 62.3848,
24.2812)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC571
RGB	255, 197, 113
RGB Percent	100%, 77%, 44%
CMY	0.0000, 0.2274, 0.5569
CMYK	0.00, 0.23, 0.56, 0.00
HSL	35°, 100%, 72%
HSV	35°, 56%, 100%
XYZ	64.1869, 62.3848, 24.2812
YIQ	204.7660, 61.5320, -13.8280

Conversions

Conversions Part 2

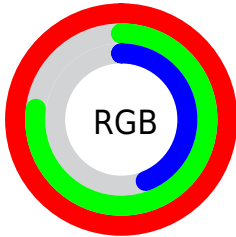
Format	Color
R_{YB}	211, 255, 113
Decimal	16762225
CIE _{Lab}	83.12, 11.44, 49.61
CIE _{LCh}	83, 50.911, 77.014
Yxy	62.3848, 0.4255, 0.4135
Android (android.graphics.Color)	4294952305 (0xFFFFC571)
YUV	204.7660, -45.2406, 44.0552
Hunter-Lab	78.9840, 6.8371, 37.0620

Details

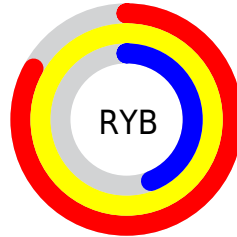
The XYZ color **64.1869, 62.3848, 24.2812** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.4222, 39.8547, 100.2223**, and the grayscale version is **58.1320, 61.1594, 66.6026**.

A 20% lighter version of the original color is **83.6569, 94.9336, 50.4741**, and **33.1976, 31.5948, 8.9061** is the 20% darker color. If you saturate the color by 10%, you get **60.6647, 57.3242, 16.9921**, and if you desaturate by 10%, it is **68.2787, 67.9395, 33.7508**.

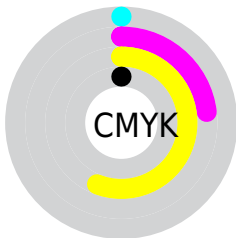
Distribution



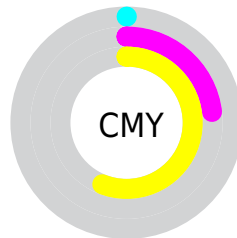
- Red (100%)
- Green (77%)
- Blue (44%)



- Red (83%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (23%)
- Yellow (56%)
- Black (0%)





- Cyan (0%)
- Magenta (23%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.1869, 62.3848, 24.2812 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 64.1869, 62.3848, 24.2812 by changing the saturation by 10% instead.


 64.1869, 62.3848,
24.2812

 64.1869, 62.3848,
24.2812


429.4558,
433.3333, 287.5713


 47.0643, 45.3437,
15.3282


 109.9523,
108.2815, 51.4383

 33.2947, 31.7282,
8.9009


 139.3258,
137.9059, 70.4794

 22.5126, 21.1540,
4.5807


 173.5137,
172.4934, 93.7204

 14.3527, 13.2366,
1.9490

212.8813,
212.4286, 121.5797

 8.4497, 7.5917,
0.5236

257.7939,
258.0958, 154.4759

 4.4383, 3.8348,
0.0000

308.6170,

 1.9529, 1.5816,

309.8794, 192.8276

0.0000

365.7158,
368.1638, 237.0532

■ 0.6073, 0.3451,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.1869, 62.3848,
24.2812

■ 64.1869, 62.3848,
24.2812

■ 60.6647, 57.3242,
16.9921

■ 68.2787, 67.9395,
33.7508

■ 57.6697, 52.7283,
11.6958

■ 72.9696, 73.9979,
45.5601

■ 55.1593, 48.5770,
8.1787

■ 78.2919, 80.5803,
59.8575

■ 53.0798, 44.8432,
6.1747

■ 84.2741, 87.7029,
76.7780

52.2832, 43.3468,
5.6111

90.9427, 95.3810,
96.4468

95.0498, 99.9999,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9540, 62.3848, 32.4917



64.1869, 62.3848, 24.2812



53.3060, 62.3848, 24.8418

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.1869, 62.3848, 24.2812



41.2469, 62.3848, 87.2840



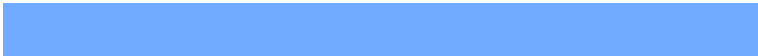
76.1926, 62.3848, 118.2958

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64.1869, 62.3848, 24.2812



39.4222, 39.8547, 100.2223

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.7164, 62.3848, 144.0862



64.1869, 62.3848, 24.2812



45.9844, 62.3848, 122.7179

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.1869, 62.3848, 24.2812



40.9449, 62.3848, 55.1775



54.6580, 62.3848, 145.9174



82.4419, 62.3848, 82.5019

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.1869, 62.3848, 24.2812



47.4271, 62.3848, 30.0682



54.6580, 62.3848, 145.9174



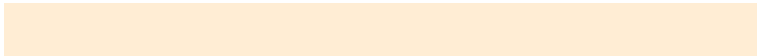
72.9936, 62.3848, 128.8474

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64.1884, 62.3878, 24.2824



83.4494, 86.7355, 74.3995



54.6077, 36.0557, 43.1956



17.5966, 18.2524, 15.1660



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.1884, 62.3878, 24.2824



60.2419, 56.6940, 16.1863



75.7602, 91.7963, 29.3489



18.9027, 19.7737, 18.9647



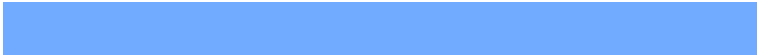
27.4698, 22.9508, 2.9821



2.7821, 2.4496, 0.3262

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39.4222, 39.8547, 100.2223



33.2630, 32.1986, 99.0695



32.3887, 23.3783, 97.4127



17.6122, 18.5959, 22.9111



12.1636, 9.2367, 50.5764



1.2885, 1.1077, 4.9592

Previews

White Background



This preview shows how the XYZ color 64.1869, 62.3848, 24.2812 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 64.1869, 62.3848, 24.2812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

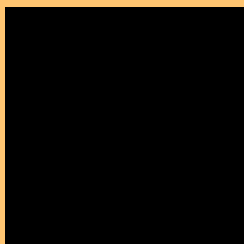
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1869, 62.3848, 24.2812

Background



This preview shows how black text looks on a background with the XYZ color 64.1869, 62.3848, 24.2812.



This preview shows how white text looks on a background with the XYZ color 64.1869, 62.3848,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

64.1869, 62.3848, 24.2812

Protanopia

57.5186, 62.4040, 25.8432

Deuteranopia

64.0478, 62.6513, 24.3400



Tritanopia

70.3141, 62.3512, 64.2061

Trichromacy



Original Color

64.1869, 62.3848, 24.2812

Protanomaly

59.7682, 62.1500, 25.3690

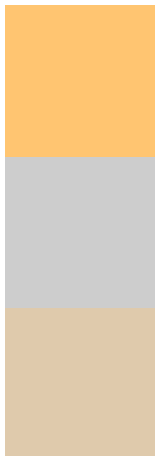
Deuteranomaly

64.0478, 62.6513, 24.3400

Tritanomaly

67.5657, 62.3022, 46.4946

Monochromacy



Original Color

64.1869, 62.3848, 24.2812

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

58.9983, 60.9076, 47.6765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1869, 62.3848, 24.2812 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 197, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 113)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 197, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 113) }
```

Border

The CSS property to change the border of an element to XYZ 64.1869, 62.3848, 24.2812 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 197, 113) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 197, 113) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 197, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1869, 62.3848, 24.2812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 113) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
197, 113) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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