

Converting Colors

XYZ(64.8358, 64.6144, 21.6250)

Have a look what the booklet for
XYZ(64.8358, 64.6144, 21.6250)
contains.

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Color

**XYZ(64.7588, 64.4604,
21.5993)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCA66
RGB	255, 202, 102
RGB Percent	100%, 79%, 40%
CMY	0.0000, 0.2078, 0.6000
CMYK	0.00, 0.21, 0.60, 0.00
HSL	39°, 100%, 70%
HSV	39°, 60%, 100%
XYZ	64.7588, 64.4604, 21.5993
YIQ	206.4470, 63.6880, -19.8640

Conversions

Conversions Part 2

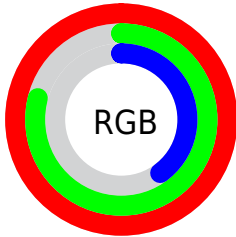
Format	Color
R _Y B	183, 255, 102
Decimal	16763494
CIE Lab	84.20, 8.05, 56.12
CIE LCh	84, 56.699, 81.835
Yxy	64.4604, 0.4294, 0.4274
Android (android.graphics.Color)	4294953574 (0xFFFFCA66)
YUV	206.4470, -51.4924, 42.5810
Hunter-Lab	80.2872, 3.4735, 40.2506

Details

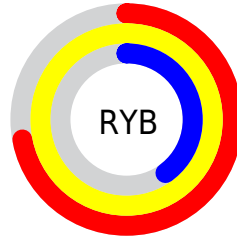
The XYZ color **64.7588, 64.4604, 21.5993** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.2503, 33.4860, 99.2128**, and the grayscale version is **59.2457, 62.3311, 67.8786**.

A 20% lighter version of the original color is **83.0008, 95.1803, 45.4495**, and **33.6500, 33.0037, 7.5025** is the 20% darker color. If you saturate the color by 10%, you get **61.6704, 60.0059, 15.2614**, and if you desaturate by 10%, it is **68.3577, 69.3140, 30.0270**.

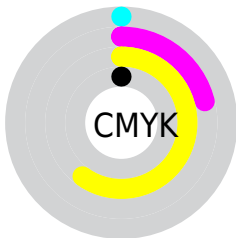
Distribution



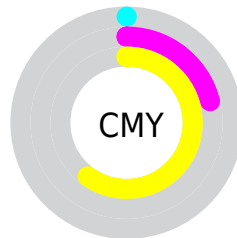
- Red (100%)
- Green (79%)
- Blue (40%)



- Red (72%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (21%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (21%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7588, 64.4604, 21.5993 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 64.7588, 64.4604, 21.5993 by changing the saturation by 10% instead.


 64.7588, 64.4604,
21.5993

 64.7588, 64.4604,
21.5993


431.4836,
440.8503, 273.3314


 47.5295, 47.0237,
13.3673


 110.7707,
111.2737, 46.9765


 33.6641, 33.0544,
7.5482

 140.2839,
141.4191, 64.9587

 22.7974, 22.1681,
3.7237


 174.6226,
176.5695, 87.0281

 14.5638, 13.9805,
1.4750

 214.1519,
217.1093, 113.6032

 8.5982, 8.1071,
0.1992

259.2373,
263.4229, 145.1026

 4.5350, 4.1635,
0.0000

310.2442,

 2.0090, 1.7655,

315.8946, 181.9447

0.0000

367.5378,
374.9090, 224.5481

■ 0.6390, 0.4655,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.7588, 64.4604,
21.5993

■ 64.7588, 64.4604,
21.5993

■ 61.6704, 60.0059,
15.2614

■ 68.3577, 69.3140,
30.0270

■ 59.0491, 55.9223,
10.8142

■ 72.4968, 74.5739,
40.7114

■ 56.8502, 52.1911,
8.0260

■ 77.2084, 80.2588,
53.8067

■ 54.9995, 48.7794,
6.5167

■ 82.5207, 86.3827,
69.4526

■ 54.9993, 48.7790,
6.5165

■ 88.4598, 92.9590,
87.7777

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.



77.4195, 64.4604, 28.6690



64.7588, 64.4604, 21.5993



52.7245, 64.4604, 23.5984

Triad

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



64.7588, 64.4604, 21.5993



41.4886, 64.4604, 99.1528



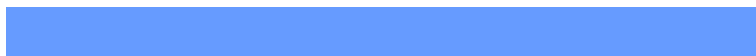
82.2637, 64.4604, 122.1313

Complementary

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



64.7588, 64.4604, 21.5993



35.2503, 33.4860, 99.2128

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.



70.6872, 64.4604, 155.8565



64.7588, 64.4604, 21.5993



47.5347, 64.4604, 139.7416

Square

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



64.7588, 64.4604, 21.5993



40.3529, 64.4604, 60.8225



57.9043, 64.4604, 163.2151



88.3896, 64.4604, 80.4652

Rectangle

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



64.7588, 64.4604, 21.5993



46.5422, 64.4604, 30.2637



57.9043, 64.4604, 163.2151



78.8113, 64.4604, 135.2877

Sweetspot

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



64.7603, 64.4635, 21.6006



83.6574, 87.6611, 72.8976



51.9543, 33.1483, 34.9138



17.5539, 18.3662, 14.5373



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.



64.7603, 64.4635, 21.6006



61.1100, 59.1597, 14.2269



71.4531, 89.6431, 26.1080



19.0006, 19.9693, 18.9974



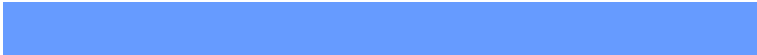
28.8834, 25.7780, 3.4533



2.9144, 2.7142, 0.3703

Inverse Universe

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



35.2503, 33.4860, 99.2128



29.3409, 25.9006, 98.0606



31.2520, 21.0796, 97.0288



17.5175, 18.4065, 22.8795



11.3939, 7.6974, 50.3198



1.2068, 0.9442, 4.9319

Previews

White Background



This preview shows how the XYZ color 64.7588, 64.4604, 21.5993 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 64.7588, 64.4604, 21.5993 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 64.7588, 64.4604, 21.5993

Background



This preview shows how black text looks on a background with the XYZ color 64.7588, 64.4604, 21.5993.



This preview shows how white text looks on a background with the XYZ color 64.7588, 64.4604,

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

64.7588, 64.4604, 21.5993

Protanopia

59.1228, 64.7643, 22.7492

Deuteranopia

65.3967, 64.3413, 26.1119



Tritanopia

71.6724, 64.2998, 67.0261

Trichromacy



Original Color

64.7588, 64.4604, 21.5993

Protanomaly

60.9897, 64.6365, 22.3583

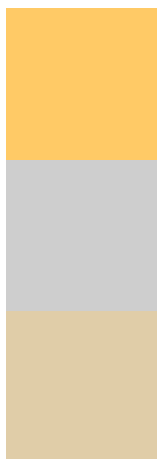
Deuteranomaly

65.0513, 64.2031, 24.2931

Tritanomaly

68.2741, 64.0197, 45.8044

Monochromacy



Original Color

64.7588, 64.4604, 21.5993

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

59.6397, 62.3371, 45.9347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7588, 64.4604, 21.5993 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, 202, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 102)  
}
```

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, 202, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 102) }
```

Border

The CSS property to change the border of an element to XYZ 64.7588, 64.4604, 21.5993 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, 202, 102) }
```


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

```
.border{ border-color:rgb(255, 202, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7588, 64.4604, 21.5993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 102) }
```

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

```
.background{ background-color: rgb(255,  
202, 102) }
```

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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