

Converting Colors

XYZ(63.8109, 64.0658, 21.6356)

Have a look what the booklet for
XYZ(63.8109, 64.0658, 21.6356)
contains.

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Color

**XYZ(63.6637, 63.8958,
21.5481)**

Conversions

Conversions Part 1

Format	Color
Hex	FCCA66
RGB	252, 202, 102
RGB Percent	99%, 79%, 40%
CMY	0.0118, 0.2078, 0.6000
CMYK	0.00, 0.20, 0.60, 0.01
HSL	40°, 96%, 69%
HSV	40°, 60%, 99%
XYZ	63.6637, 63.8958, 21.5481
YIQ	205.5500, 61.9000, -20.5000

Conversions

Conversions Part 2

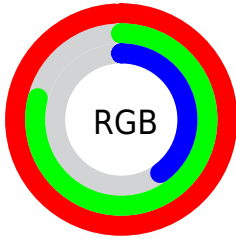
Format	Color
RYB	177, 252, 102
Decimal	16566886
CIELab	83.91, 6.82, 55.71
CIELCh	84, 56.127, 83.017
Yxy	63.8958, 0.4270, 0.4285
Android (android.graphics.Color)	4294756966 (0xFFFCCA66)
YUV	205.5500, -51.0502, 40.7366
Hunter-Lab	79.9348, 2.2794, 39.9715

Details

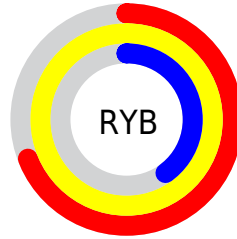
The XYZ color **63.6637, 63.8958, 21.5481** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **34.2780, 32.3083, 96.5245**, and the grayscale version is **58.6681, 61.7234, 67.2168**.

A 20% lighter version of the original color is **83.0008, 95.1803, 45.4495**, and **32.8825, 32.6080, 7.4666** is the 20% darker color. If you saturate the color by 10%, you get **60.6819, 59.6375, 15.2977**, and if you desaturate by 10%, it is **67.1356, 68.5267, 29.8367**.

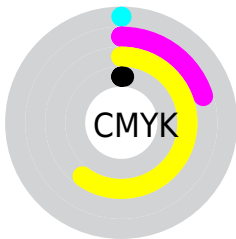
Distribution



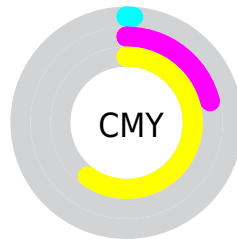
- Red (99%)
- Green (79%)
- Blue (40%)



- Red (69%)
- Yellow (99%)
- Blue (40%)



- Cyan (0%)
- Magenta (20%)
- Yellow (60%)
- Black (1%)





- Cyan (1%)
- Magenta (21%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6637, 63.8958, 21.5481 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 63.6637, 63.8958, 21.5481 by changing the saturation by 10% instead.


 63.6637, 63.8958,
21.5481

 63.6637, 63.8958,
21.5481


427.5957,
438.8133, 273.0533

 46.6390, 46.5663,
13.3301


 109.2029,
110.4609, 46.8905


 32.9571, 32.6929,
7.5229


 138.4481,
140.4652, 64.8520

 22.2527, 21.8913,
3.7078


 172.4976,
175.4632, 86.8985

 14.1603, 13.7771,
1.4665

 211.7166,
215.8394, 113.4483

 8.3147, 7.9658,
0.1928

256.4706,
261.9781, 144.9202

 4.3505, 4.0731,
0.0000

307.1249,

 1.9023, 1.7145,

314.2637, 181.7326

0.0000

364.0448,
373.0806, 224.3041

■ 0.5781, 0.4330,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.6637, 63.8958,
21.5481

■ 63.6637, 63.8958,
21.5481

■ 60.6819, 59.6375,
15.2977

■ 67.1356, 68.5267,
29.8367

■ 58.1483, 55.7250,
10.8934

■ 71.1258, 73.5367,
40.3244

■ 56.0203, 52.1409,
8.1127

■ 75.6656, 78.9434,
53.1603

■ 54.2299, 48.8551,
6.6063

■ 80.7818, 84.7600,
68.4795

■ 54.1491, 48.7042,
6.5469

■ 86.4998, 90.9992,
86.4064

■ 92.8430, 97.6728,
107.0573

■ 93.9547, 99.4354,
108.8487

Harmonies

Analogous

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



76.1648, 63.8958, 28.1605



63.6637, 63.8958, 21.5481



51.9115, 63.8958, 23.8747

Triad

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



63.6637, 63.8958, 21.5481



41.3929, 63.8958, 99.6938



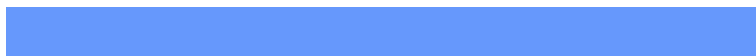
81.7426, 63.8958, 119.0242

Complementary

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



63.6637, 63.8958, 21.5481



34.2780, 32.3083, 96.5245

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.



70.4969, 63.8958, 152.8089



63.6637, 63.8958, 21.5481



47.5372, 63.8958, 139.2610

Square

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



63.6637, 63.8958, 21.5481



40.0793, 63.8958, 61.6276



57.8899, 63.8958, 161.2559



87.4808, 63.8958, 78.1707

Rectangle

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



63.6637, 63.8958, 21.5481



45.9292, 63.8958, 30.7545



57.8899, 63.8958, 161.2559



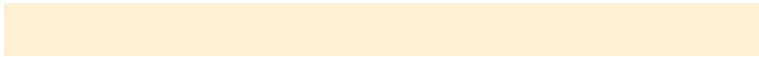
78.4137, 63.8958, 132.0789

Sweetspot

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



63.6652, 63.8989, 21.5494



83.8334, 88.0132, 72.9563



50.5640, 32.4657, 33.3081



17.5970, 18.4525, 14.5517



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.



63.6652, 63.8989, 21.5494



61.9127, 60.6305, 14.9094



68.8872, 86.9108, 25.7159



18.2115, 19.1589, 18.2006



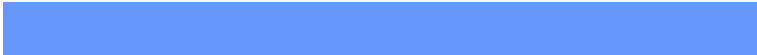
28.3482, 25.6530, 3.4574



2.7229, 2.5707, 0.3527

Inverse Universe

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



34.2780, 32.3083, 96.5245



29.4358, 25.8051, 98.0372



31.0750, 21.0438, 94.5191



16.7557, 17.5881, 21.8970



10.9243, 7.2042, 48.7883



1.1049, 0.8535, 4.5497

Previews

White Background



This preview shows how the XYZ color 63.6637, 63.8958, 21.5481 looks on a white background.

Color Contrast Check

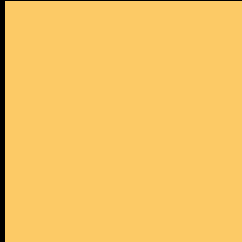
Large Text (above 18pt) WCAG AA × Fail

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 63.6637, 63.8958, 21.5481 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 63.6637, 63.8958, 21.5481

Background



This preview shows how black text looks on a background with the XYZ color 63.6637, 63.8958, 21.5481.



This preview shows how white text looks on a background with the XYZ color 63.6637, 63.8958,

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

63.6637, 63.8958, 21.5481

Protanopia

58.8240, 64.2485, 22.3975

Deuteranopia

64.9315, 63.7835, 24.8088



Tritanopia

71.4505, 63.8562, 66.9521

Trichromacy



Original Color

63.6637, 63.8958, 21.5481

Protanomaly

60.3576, 63.9556, 21.9954

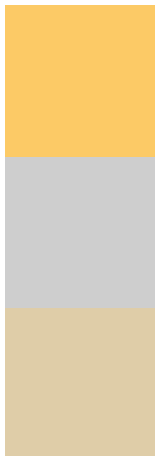
Deuteranomaly

64.5742, 63.9699, 23.6959

Tritanomaly

67.6809, 63.3778, 45.7118

Monochromacy



Original Color

63.6637, 63.8958, 21.5481

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

59.3306, 62.1778, 45.9202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6637, 63.8958, 21.5481 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(252, 202, 102)` looks like.

```
.text, #text, p{  
    color:rgb(252, 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(252, 202, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 202, 102) }
```

Border

The CSS property to change the border of an element to XYZ 63.6637, 63.8958, 21.5481 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(252, 202, 102) }
```


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

```
.border{ border-color:rgb(252, 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(252, 202, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 202, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 202, 102);  
box-shadow:4px 4px 4px 4px rgb(252, 202,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6637, 63.8958, 21.5481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 202, 102) }
```

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

```
.background{ background-color: rgb(252,  
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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