

Converting Colors

XYZ(63.5906, 71.2261, 15.2100)

Have a look what the booklet for
XYZ(63.5906, 71.2261, 15.2100)
contains.

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Color

**XYZ(63.3998, 70.9603,
15.2057)**

Conversions

Conversions Part 1

Format	Color
Hex	F2DD40
RGB	242, 221, 64
RGB Percent	95%, 87%, 25%
CMY	0.0510, 0.1333, 0.7490
CMYK	0.00, 0.09, 0.74, 0.05
HSL	53°, 87%, 60%
HSV	53°, 74%, 95%
XYZ	63.3998, 70.9603, 15.2057
YIQ	209.3810, 62.9130, -44.3750

Conversions

Conversions Part 2

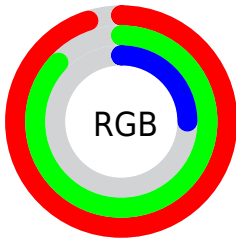
Format	Color
R _Y B	88, 242, 64
Decimal	15916352
CIE Lab	87.47, -9.10, 74.63
CIE LCh	87, 75.178, 96.954
Yxy	70.9603, 0.4239, 0.4744
Android (android.graphics.Color)	4294106432 (0xFFFF2DD40)
YUV	209.3810, -71.6728, 28.6069
Hunter-Lab	84.2379, -13.0724, 48.2642

Details

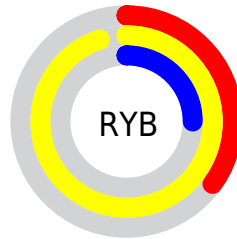
The XYZ color **63.3998, 70.9603, 15.2057** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **21.3900, 13.9977, 85.5782**, and the grayscale version is **61.2803, 64.4716, 70.2096**.

A 20% lighter version of the original color is **80.5129, 94.1851, 32.3484**, and **32.9276, 37.2175, 5.4482** is the 20% darker color. If you saturate the color by 10%, you get **62.1083, 69.2508, 12.0835**, and if you desaturate by 10%, it is **65.0059, 72.8215, 19.9071**.

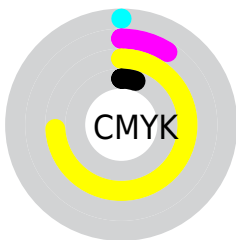
Distribution



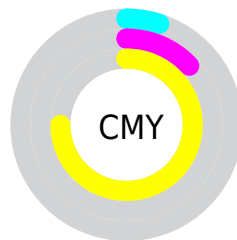
- Red (95%)
- Green (87%)
- Blue (25%)



- Red (35%)
- Yellow (95%)
- Blue (25%)



- Cyan (0%)
- Magenta (9%)
- Yellow (74%)
- Black (5%)





- Cyan (5%)
- Magenta (13%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.3998, 70.9603, 15.2057 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 63.3998, 70.9603, 15.2057 by changing the saturation by 10% instead.


 63.3998, 70.9603,
15.2057

 63.3998, 70.9603,
15.2057


426.6556,
463.9146, 236.2914


 46.4246, 52.3098,
8.8157


 108.8247,
120.5772, 35.9610


 32.7870, 37.2521,
4.5260


 138.0050,
152.3124, 51.1634


 22.1218, 25.4027,
1.9181


 171.9845,
189.1779, 70.1403

 14.0635, 16.3773,
0.5042

 211.1284,
231.5582, 93.3102

 8.2469, 9.7916,
0.0000

 255.8021,
279.8376, 121.0918

 4.3064, 5.2610,
0.0000

306.3710,

 1.8769, 2.4012,

334.4006, 153.9035

0.0000

363.2004,
395.6314, 192.1638

■ 0.5634, 0.8265,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.3998, 70.9603,
15.2057

■ 63.3998, 70.9603,
15.2057

■ 62.1083, 69.2508,
12.0835

■ 65.0059, 72.8215,
19.9071

■ 61.0847, 67.6662,
10.3163

■ 66.9561, 74.8383,
26.3643

■ 60.5272, 66.6961,
9.6835

■ 69.2818, 77.0260,
34.7349

■ 72.0094, 79.3952,
45.1579

■ 75.1630, 81.9557,
57.7596

■ 78.7646, 84.7164,
72.6557

■ 82.8347, 87.6856,
89.9540

■ 86.9702, 90.7021,
107.5312

■ 87.8349, 92.4316,
107.8194

Harmonies

Analogous

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



81.6986, 70.9603, 17.7282



63.3998, 70.9603, 15.2057



48.9484, 70.9603, 22.5405

Triad

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



63.3998, 70.9603, 15.2057



43.6959, 70.9603, 152.1230



103.9521, 70.9603, 122.1597

Complementary

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



63.3998, 70.9603, 15.2057



21.3900, 13.9977, 85.5782

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.



90.0988, 70.9603, 184.5644



63.3998, 70.9603, 15.2057



54.9550, 70.9603, 206.5152

Square

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



63.3998, 70.9603, 15.2057



38.9376, 70.9603, 89.7041



71.6600, 70.9603, 220.4484



107.2845, 70.9603, 66.0302

Rectangle

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



63.3998, 70.9603, 15.2057



42.7046, 70.9603, 35.2994



71.6600, 70.9603, 220.4484



100.2666, 70.9603, 143.7112

Sweetspot

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



63.4014, 70.9637, 15.2071



85.2226, 92.7497, 67.3828



40.2020, 23.2448, 11.5436



18.0196, 19.6778, 13.5207



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.



63.4014, 70.9637, 15.2071



69.3726, 77.1379, 12.5016



50.7486, 73.1901, 16.3037



16.9545, 18.1221, 16.7540



32.5823, 35.9627, 5.2242



2.7551, 3.0809, 0.4495

Inverse Universe

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



21.3900, 13.9977, 85.5782



20.0695, 10.4379, 95.5647



26.9550, 14.7665, 85.4333



15.0474, 15.5289, 19.9259



8.8902, 4.0046, 45.4323



0.7881, 0.4301, 3.7957

Previews

White Background



This preview shows how the XYZ color 63.3998, 70.9603, 15.2057 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 63.3998, 70.9603, 15.2057 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 63.3998, 70.9603, 15.2057

Background



This preview shows how black text looks on a background with the XYZ color 63.3998, 70.9603, 15.2057.

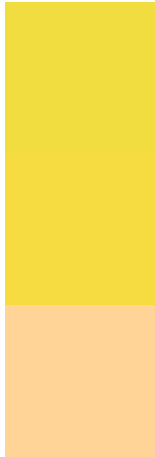


This preview shows how white text looks on a background with the XYZ color 63.3998, 70.9603,

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

63.3998, 70.9603, 15.2057

Protanopia

64.5246, 71.1494, 15.1829

Deuteranopia

70.2885, 70.5490, 38.7669



Tritanopia

76.1292, 70.4874, 78.7002

Trichromacy



Original Color

63.3998, 70.9603, 15.2057

Protanomaly

64.1748, 70.9690, 15.1665

Deuteranomaly

67.0546, 70.2568, 27.4795

Tritanomaly

69.5101, 69.6291, 45.3735

Monochromacy



Original Color

63.3998, 70.9603, 15.2057

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

59.6138, 65.3610, 40.9264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3998, 70.9603, 15.2057 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(242, 221, 64)` looks like.

```
.text, #text, p{  
    color:rgb(242, 221, 64)  
}
```

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(242, 221, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 221, 64) }
```

Border

The CSS property to change the border of an element to XYZ 63.3998, 70.9603, 15.2057 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(242, 221, 64) }
```


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

```
.border{ border-color:rgb(242, 221, 64) }
```

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

Here you see how a box with a 4 pixel rgb(242, 221, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 221, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 221, 64);  
box-shadow:4px 4px 4px 4px rgb(242, 221,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3998, 70.9603, 15.2057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 221, 64) }
```

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

```
.background{ background-color: rgb(242,  
221, 64) }
```

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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