

Converting Colors

XYZ(65.8440, 70.3945, 10.3492)

Have a look what the booklet for
XYZ(65.8440, 70.3945, 10.3492)
contains.

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Color

**XYZ(65.8397, 70.3893,
10.3461)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD808
RGB	255, 216, 8
RGB Percent	100%, 85%, 3%
CMY	0.0000, 0.1529, 0.9685
CMYK	0.00, 0.15, 0.97, 0.00
HSL	51°, 100%, 52%
HSV	51°, 97%, 100%
XYZ	65.8397, 70.3893, 10.3461
YIQ	203.9490, 90.0120, -56.4200

Conversions

Conversions Part 2

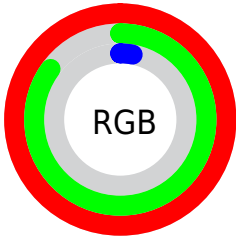
Format	Color
R_YB	54, 255, 8
Decimal	16766984
CIE _{Lab}	87.19, -2.37, 86.64
CIE _{LCh}	87, 86.677, 91.566
Yxy	70.3893, 0.4492, 0.4802
Android (android.graphics.Color)	4294957064 (0xFFFFD808)
YUV	203.9490, -96.6029, 44.7717
Hunter-Lab	83.8983, -6.7432, 51.4174

Details

The XYZ color **65.8397, 70.3893, 10.3461** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **19.1677, 9.3064, 95.3930**, and the grayscale version is **57.9176, 60.9339, 66.3570**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **34.9126, 37.1781, 5.3360** is the 20% darker color. If you saturate the color by 10%, you get **65.4738, 69.7281, 10.0080**, and if you desaturate by 10%, it is **67.1235, 72.5763, 11.9488**.

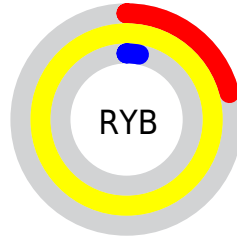
Distribution



Red (100%)

Green (85%)

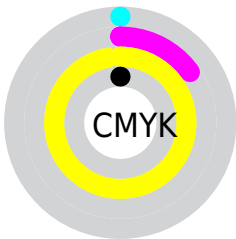
Blue (3%)



Red (21%)

Yellow (100%)

Blue (3%)

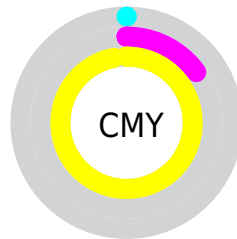


Cyan (0%)

Magenta (15%)

Yellow (97%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.8397, 70.3893, 10.3461 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 65.8397, 70.3893, 10.3461 by changing the saturation by 10% instead.


 65.8397, 70.3893,
10.3461


 65.8397, 70.3893,
10.3461


435.3011,
461.9157, 203.6985


 48.4095, 51.8440,
5.5204


 112.3152,
119.7638, 27.0624


 34.3639, 36.8807,
2.4917


 142.0913,
151.3617, 39.7901


 23.3375, 25.1152,
0.8358


 176.7133,
188.0792, 55.9889

 14.9650, 16.1629,
0.0000

 216.5468,
230.3009, 76.0774

 8.8810, 9.6395,
0.0000

 261.9569,
278.4109, 100.4740

 4.7201, 5.1606,
0.0000

 313.3091,

 2.1171, 2.3418,

332.7938, 129.5974

0.0000

370.9687,
393.8340, 163.8660

■ 0.6985, 0.7957,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.8397, 70.3893,
10.3461

■ 65.8397, 70.3893,
10.3461


■ 65.4738, 69.7281,
10.0080


■ 67.1235, 72.5763,
11.9488


■ 68.7013, 74.9188,
14.9813


■ 70.6274, 77.4417,
19.7216


■ 72.9435, 80.1618,
26.3881

 75.6849, 83.0937,
35.1667

 78.8831, 86.2500,
46.2214

 82.5663, 89.6424,
59.7000

 86.7602, 93.2815,
75.7380

 91.4889, 97.1771,
94.4605

Harmonies

Analogous

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



87.3085, 70.3893, 14.3115



65.8397, 70.3893, 10.3461



48.4453, 70.3893, 15.3351

Triad

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



65.8397, 70.3893, 10.3461



38.8037, 70.3893, 151.5088



107.5295, 70.3893, 143.3097

Complementary

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



65.8397, 70.3893, 10.3461



19.1677, 9.3064, 95.3930

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.



89.5381, 70.3893, 217.1895



65.8397, 70.3893, 10.3461



49.9536, 70.3893, 223.3777

Square

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



65.8397, 70.3893, 10.3461



34.9257, 70.3893, 79.7442



67.9775, 70.3893, 252.0079



114.1137, 70.3893, 73.6213

Rectangle

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



65.8397, 70.3893, 10.3461



40.7031, 70.3893, 25.9685



67.9775, 70.3893, 252.0079



102.4570, 70.3893, 169.4919

Sweetspot

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



65.8413, 70.3927, 10.3475



81.7335, 88.8939, 56.5934



41.8852, 21.6575, 4.8995



17.1548, 18.7157, 10.8667



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.



65.8413, 70.3927, 10.3475



65.4743, 69.7287, 10.0081



52.9656, 80.3843, 12.9547



19.3026, 20.5734, 19.0980



34.3033, 36.6178, 5.2600



3.4027, 3.6907, 0.5330

Inverse Universe

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



19.1677, 9.3064, 95.3930



18.8176, 8.7552, 95.3059



22.3877, 9.5856, 95.2772



17.2345, 17.8407, 22.7852



9.9007, 4.7110, 49.8221



1.0276, 0.5858, 4.8722

Previews

White Background



This preview shows how the XYZ color 65.8397, 70.3893, 10.3461 looks on a white background.

Color Contrast Check

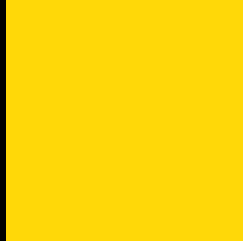
Large Text (above 18pt) WCAG AA × Fail

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 65.8397, 70.3893, 10.3461 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 65.8397, 70.3893, 10.3461

Background



This preview shows how black text looks on a background with the XYZ color 65.8397, 70.3893, 10.3461.



This preview shows how white text looks on a background with the XYZ color 65.8397, 70.3893,

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

65.8397, 70.3893, 10.3461

Protanopia

63.7497, 70.4614, 10.5570

Deuteranopia

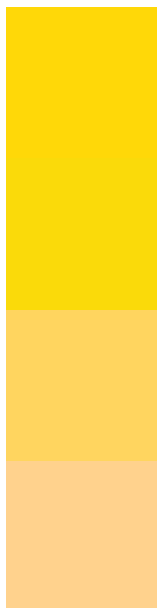
69.8943, 70.3913, 36.6911



Tritanopia

75.8357, 70.4124, 75.2396

Trichromacy



Original Color

65.8397, 70.3893, 10.3461

Protanomaly

64.5505, 70.4887, 10.4907

Deuteranomaly

67.0998, 69.6747, 20.7385

Tritanomaly

69.0943, 69.2763, 34.9293

Monochromacy



Original Color

65.8397, 70.3893, 10.3461

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

57.2209, 62.4932, 31.2368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8397, 70.3893, 10.3461 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, 216, 8)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 8)  
}
```

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, 216, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 8) }
```

Border

The CSS property to change the border of an element to XYZ 65.8397, 70.3893, 10.3461 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, 216, 8) }
```


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

```
.border{ border-color:rgb(255, 216, 8) }
```

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

Here you see how a box with a 4 pixel rgb(255, 216, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 8);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
8) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8397, 70.3893, 10.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 8) }
```

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

```
.background{ background-color: rgb(255,  
216, 8) }
```

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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