

Converting Colors

XYZ(38.3076, 38.7750, 8.3273)

Have a look what the booklet for
XYZ(38.3076, 38.7750, 8.3273)
contains.

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Color

**XYZ(38.3765, 38.8998,
8.3915)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA231
RGB	204, 162, 49
RGB Percent	80%, 64%, 19%
CMY	0.2000, 0.3647, 0.8078
CMYK	0.00, 0.21, 0.76, 0.20
HSL	44°, 61%, 50%
HSV	44°, 76%, 80%
XYZ	38.3765, 38.8998, 8.3915
YIQ	161.6760, 61.3050, -26.2390

Conversions

Conversions Part 2

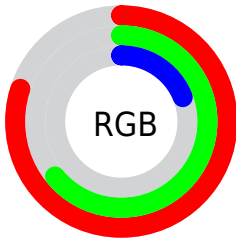
Format	Color
RYB	107, 204, 49
Decimal	13410865
CIELab	68.68, 4.56, 60.89
CIElCh	69, 61.056, 85.716
Yxy	38.8998, 0.4480, 0.4541
Android (android.graphics.Color)	4291600945 (0xFFCCA231)
YUV	161.6760, -55.5493, 37.1181
Hunter-Lab	62.3697, 0.6853, 35.6817

Details

The XYZ color **38.3765, 38.8998, 8.3915** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **15.9067, 12.4944, 58.6994**, and the grayscale version is **34.4235, 36.2162, 39.4395**.

A 20% lighter version of the original color is **68.5010, 71.8650, 23.0929**, and **17.3615, 17.3886, 2.4413** is the 20% darker color. If you saturate the color by 10%, you get **37.0874, 36.8619, 6.2972**, and if you desaturate by 10%, it is **39.9049, 41.1050, 11.5270**.

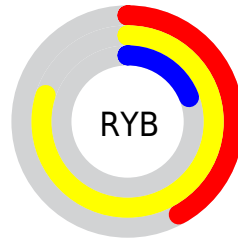
Distribution



Red (80%)

Green (64%)

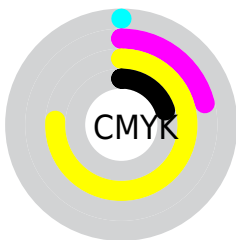
Blue (19%)



Red (42%)

Yellow (80%)

Blue (19%)

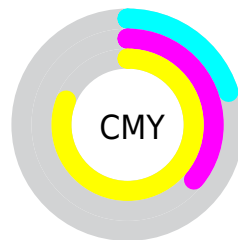


Cyan (0%)

Magenta (21%)

Yellow (76%)

Black (20%)



Cyan (20%)


Magenta (36%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3765, 38.8998, 8.3915 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 38.3765, 38.8998, 8.3915 by changing the saturation by 10% instead.


 38.3765, 38.8998,
8.3915


 38.3765, 38.8998,
8.3915


330.4853,
341.4643, 188.8191

 26.4536, 26.6818,
4.2551


 71.9850, 73.4852,
23.2812

 17.2977, 17.3344,
1.7663


 94.4013, 96.6214,
34.8715

 10.5436, 10.4732,
0.4056


 121.0462,
124.1658, 49.7836

 5.8259, 5.7138,
0.0000

 152.2849,
156.5028, 68.4360

 2.7791, 2.6718,
0.0000

 188.4827,
194.0167, 91.2472

 1.0381, 0.9629,
0.0000

 230.0052,

 0.0000, 0.0000,

237.0920, 118.6357

0.0000

277.2176,
286.1131, 151.0202

■ 38.3765, 38.8998,
8.3915

■ 38.3765, 38.8998,
8.3915

■ 37.0874, 36.8619,
6.2972

■ 39.9049, 41.1050,
11.5270

■ 36.0054, 34.9729,
5.0883

■ 41.6937, 43.4822,
15.8246

■ 35.6062, 34.2464,
4.7336

■ 43.7646, 46.0423,
21.3905

■ 46.1356, 48.7935,
28.3187

■ 48.8235, 51.7432,
36.6939

■ 51.8435, 54.8984,
46.5941

■ 55.2098, 58.2655,
58.0916

■ 58.9357, 61.8505,
71.2540

■ 63.0337, 65.6593,
86.1453

Harmonies

Analogous

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



48.4406, 38.8998, 11.8728



38.3765, 38.8998, 8.3915



29.4923, 38.8998, 10.2525

Triad

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



38.3765, 38.8998, 8.3915



22.6491, 38.8998, 69.8501



54.5206, 38.8998, 79.8932

Complementary

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



38.3765, 38.8998, 8.3915



15.9067, 12.4944, 58.6994

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.



45.6227, 38.8998, 110.5355



38.3765, 38.8998, 8.3915



27.4753, 38.8998, 103.1807

Square

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



38.3765, 38.8998, 8.3915



21.3852, 38.8998, 38.5085



35.6043, 38.8998, 120.5167



58.7340, 38.8998, 46.4500

Rectangle

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



38.3765, 38.8998, 8.3915



25.2172, 38.8998, 15.0320



35.6043, 38.8998, 120.5167



51.9103, 38.8998, 91.3459

Sweetspot

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



38.3774, 38.9017, 8.3923



82.1423, 87.0588, 64.9083



27.9723, 15.8231, 11.9171



17.2082, 18.2360, 12.6924



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.



38.3774, 38.9017, 8.3923



60.2723, 59.0780, 9.0345



38.8149, 51.9997, 10.8974



11.8868, 12.5625, 11.8777



22.4918, 21.7166, 3.0063



1.2212, 1.2420, 0.1754

Inverse Universe

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



15.9067, 12.4944, 58.6994



21.7157, 14.0285, 96.1710



15.5283, 8.3768, 57.9246



10.8450, 11.3303, 14.1858



7.7949, 4.6137, 36.4360



0.4664, 0.3665, 1.9011

Previews

White Background



This preview shows how the XYZ color 38.3765, 38.8998, 8.3915 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 38.3765, 38.8998, 8.3915 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 38.3765, 38.8998, 8.3915

Background



This preview shows how black text looks on a background with the XYZ color 38.3765, 38.8998, 8.3915.



This preview shows how white text looks on a background with the XYZ color 38.3765, 38.8998,

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

38.3765, 38.8998, 8.3915

Protanopia

35.3392, 38.9356, 8.7847

Deuteranopia

39.5522, 38.7282, 8.4083



Tritanopia

44.8288, 38.7746, 39.7718

Trichromacy



Original Color

38.3765, 38.8998, 8.3915

Protanomaly

36.4601, 38.9721, 8.6183

Deuteranomaly

39.1590, 38.7818, 8.4393

Tritanomaly

41.5287, 38.4031, 23.6361

Monochromacy



Original Color

38.3765, 38.8998, 8.3915

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.5030, 36.5682, 23.3290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3765, 38.8998, 8.3915 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(204, 162, 49)` looks like.

```
.text, #text, p{  
    color:rgb(204, 162, 49)  
}
```

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(204, 162, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 162, 49) }
```

Border

The CSS property to change the border of an element to XYZ 38.3765, 38.8998, 8.3915 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(204, 162, 49) }
```


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

```
.border{ border-color:rgb(204, 162, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 162, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 162, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 162, 49);  
box-shadow:4px 4px 4px 4px rgb(204, 162,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3765, 38.8998, 8.3915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 162, 49) }
```

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

```
.background{ background-color: rgb(204,  
162, 49) }
```

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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