

Converting Colors

XYZ(38.5935, 40.2206, 5.7293)

Have a look what the booklet for
XYZ(38.5935, 40.2206, 5.7293)
contains.

XYZ(38.5381, 40.1098, 5.7108)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.5381, 40.1098,
5.7108)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA600
RGB	204, 166, 0
RGB Percent	80%, 65%, 0%
CMY	0.2000, 0.3490, 0.9999
CMYK	0.00, 0.19, 1.00, 0.20
HSL	49°, 100%, 40%
HSV	49°, 100%, 80%
XYZ	38.5381, 40.1098, 5.7108
YIQ	158.4380, 75.9340, -43.5700

Conversions

Conversions Part 2

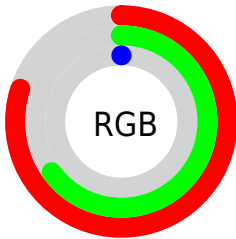
Format	Color
R_{YB}	47, 204, 0
Decimal	13411840
CIE _{Lab}	69.55, 1.33, 72.63
CIE _{LCh}	70, 72.644, 88.949
Yxy	40.1098, 0.4568, 0.4755
Android (android.graphics.Color)	4291601920 (0xFFCCA600)
YUV	158.4380, -78.1099, 39.9579
Hunter-Lab	63.3323, -2.2132, 38.9863

Details

The XYZ color **38.5381, 40.1098, 5.7108** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **11.5927, 5.7466, 57.6246**, and the grayscale version is **33.0205, 34.7401, 37.8320**.

A 20% lighter version of the original color is **68.4360, 73.5087, 17.6028**, and **17.8078, 18.2812, 2.5901** is the 20% darker color. If you saturate the color by 10%, you get **38.5384, 40.1106, 5.7109**, and if you desaturate by 10%, it is **39.3699, 41.5658, 6.6294**.

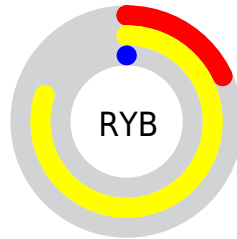
Distribution



Red (80%)

Green (65%)

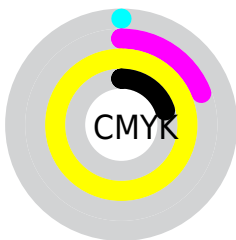
Blue (0%)



Red (18%)

Yellow (80%)

Blue (0%)

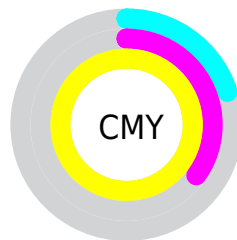


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5381, 40.1098, 5.7108 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 38.5381, 40.1098, 5.7108 by changing the saturation by 10% instead.


 38.5381, 40.1098,
5.7108


 38.5381, 40.1098,
5.7108


331.1638,
346.5861, 165.6771


 26.5797, 27.6242,
2.6041


 72.2308, 75.3307,
17.7948

 17.3928, 18.0425,
0.8946

 94.6957, 98.8347,
27.6092

 10.6120, 10.9805,
0.0000


 121.3936,
126.7803, 40.4966

 5.8719, 6.0537,
0.0000

 152.6897,
159.5520, 56.8755

 2.8073, 2.8778,
0.0000

 188.9494,
197.5340, 77.1644

 1.0527, 1.0683,
0.0000

 230.5381,

 0.0000, 0.0000,

241.1107, 101.7820

0.0000

277.8211,
290.6666, 131.1467

■ 38.5381, 40.1098,
5.7108

■ 38.5381, 40.1098,
5.7108

■ 38.5384, 40.1106,
5.7109

■ 39.3699, 41.5658,
6.6294

■ 40.3586, 43.1158,
8.2761

■ 41.5520, 44.7809,
10.8990

■ 42.9755, 46.5715,
14.6304

■ 44.6505, 48.4965,
19.5819

■ 46.5958, 50.5635,
25.8516

■ 48.8281, 52.7797,
33.5274

■ 51.3629, 55.1513,
42.6899

■ 54.2144, 57.6844,
53.4132

Harmonies

Analogous

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



50.9660, 40.1098, 8.4359



38.5381, 40.1098, 5.7108



28.2243, 40.1098, 8.0464

Triad

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



38.5381, 40.1098, 5.7108



21.6105, 40.1098, 82.9433



60.8670, 40.1098, 86.1285

Complementary

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



38.5381, 40.1098, 5.7108



11.5927, 5.7466, 57.6246

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.



50.1019, 40.1098, 127.9699



38.5381, 40.1098, 5.7108



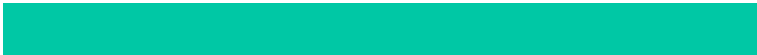
27.6423, 40.1098, 125.5605

Square

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



38.5381, 40.1098, 5.7108



19.7415, 40.1098, 42.4994



37.7112, 40.1098, 145.1754



65.3794, 40.1098, 44.8676

Rectangle

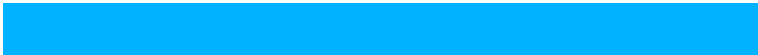
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.5381, 40.1098, 5.7108



23.5311, 40.1098, 13.5241



37.7112, 40.1098, 145.1754



57.7639, 40.1098, 101.2359

Sweetspot

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



38.5390, 40.1118, 5.7116



80.7079, 87.2578, 54.9719



25.2988, 12.9964, 3.2559



16.9258, 18.3355, 10.5501



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.



38.5390, 40.1118, 5.7116



63.6750, 66.1301, 9.4083



32.8867, 49.0077, 7.7266



11.9693, 12.7276, 11.9053



24.3204, 25.3737, 3.6158



1.3019, 1.4034, 0.2023

Inverse Universe

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



11.5927, 5.7466, 57.6246



19.0865, 9.2929, 95.3955



12.8367, 5.3588, 57.4842



10.7680, 11.1765, 14.1601



7.3467, 3.7173, 36.2866



0.4312, 0.2962, 1.8894

Previews

White Background



This preview shows how the XYZ color 38.5381, 40.1098, 5.7108 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 38.5381, 40.1098, 5.7108 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 38.5381, 40.1098, 5.7108

Background



This preview shows how black text looks on a background with the XYZ color 38.5381, 40.1098, 5.7108.



This preview shows how white text looks on a background with the XYZ color 38.5381, 40.1098,

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

38.5381, 40.1098, 5.7108

Protanopia

36.3450, 40.3498, 6.1024

Deuteranopia

40.8627, 39.9742, 6.0523



Tritanopia

45.8791, 40.0105, 41.3811

Trichromacy



Original Color

38.5381, 40.1098, 5.7108

Protanomaly

36.9803, 40.1227, 5.9390

Deuteranomaly

40.0159, 40.0652, 5.9114

Tritanomaly

41.4067, 39.1960, 19.0189

Monochromacy



Original Color

38.5381, 40.1098, 5.7108

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.7730, 35.5433, 17.4451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5381, 40.1098, 5.7108 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, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 166, 0)  
}
```

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, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 166, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.5381, 40.1098, 5.7108 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, 166, 0) }
```


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

```
.border{ border-color:rgb(204, 166, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 166, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 166,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5381, 40.1098, 5.7108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 166, 0) }
```

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

```
.background{ background-color: rgb(204,  
166, 0) }
```

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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