

Converting Colors

XYZ(38.2073, 39.4417, 5.5989)

Have a look what the booklet for
XYZ(38.2073, 39.4417, 5.5989)
contains.

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Color

**XYZ(38.1773, 39.3883,
5.5905)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA400
RGB	204, 164, 0
RGB Percent	80%, 64%, 0%
CMY	0.2000, 0.3568, 0.9999
CMYK	0.00, 0.20, 1.00, 0.20
HSL	48°, 100%, 40%
HSV	48°, 100%, 80%
XYZ	38.1773, 39.3883, 5.5905
YIQ	157.2640, 76.4840, -42.5240

Conversions

Conversions Part 2

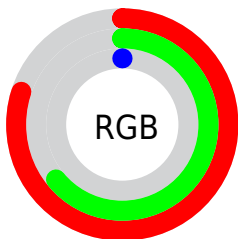
Format	Color
RYB	50, 204, 0
Decimal	13411328
CIELab	69.03, 2.40, 72.27
CIElCh	69, 72.311, 88.099
Yxy	39.3883, 0.4591, 0.4737
Android (android.graphics.Color)	4291601408 (0xFFCCA400)
YUV	157.2640, -77.5312, 40.9875
Hunter-Lab	62.7601, -1.2477, 38.6507

Details

The XYZ color **38.1773, 39.3883, 5.5905** 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 **11.6582, 5.8778, 57.6463**, and the grayscale version is **32.4829, 34.1746, 37.2161**.

A 20% lighter version of the original color is **67.9111, 72.4589, 17.4278**, and **17.5822, 17.8300, 2.5149** is the 20% darker color. If you saturate the color by 10%, you get **38.1776, 39.3892, 5.5907**, and if you desaturate by 10%, it is **39.0352, 40.8965, 6.5177**.

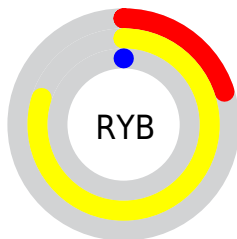
Distribution



Red (80%)

Green (64%)

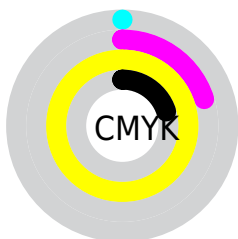
Blue (0%)



Red (20%)

Yellow (80%)

Blue (0%)

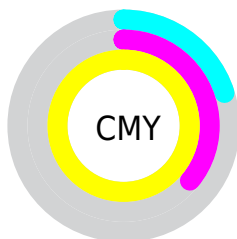


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1773, 39.3883, 5.5905 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 38.1773, 39.3883, 5.5905 by changing the saturation by 10% instead.


 38.1773, 39.3883,
5.5905


 38.1773, 39.3883,
5.5905


329.6476,
343.5386, 164.5358

 26.2982, 27.0619,
2.5330


 71.6820, 74.2311,
17.5376


 17.1807, 17.6197,
0.8576


 94.0382, 97.5164,
27.2642

 10.4595, 10.6773,
0.0000


 120.6175,
125.2234, 40.0510

 5.7693, 5.8503,
0.0000

 151.7852,
157.7366, 56.3165

 2.7446, 2.7543,
0.0000

 187.9068,
195.4403, 76.4791

 1.0202, 1.0048,
0.0000

 229.3474,

 0.0000, 0.0000,

238.7189, 100.9576

0.0000

276.4726,
287.9569, 130.1703

38.1773, 39.3883,
5.5905

38.1773, 39.3883,
5.5905

38.1776, 39.3892,
5.5907

39.0352, 40.8965,
6.5177

40.0521, 42.5030,
8.1737

41.2759, 44.2289,
10.8067

42.7321, 46.0848,
14.5488

44.4419, 48.0794,
19.5118

■ 46.4241, 50.2206,
25.7937

■ 48.6957, 52.5154,
33.4825

■ 51.2722, 54.9703,
42.6586

■ 54.1677, 57.5914,
53.3964

Harmonies

Analogous

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



50.4104, 39.3883, 8.4226



38.1773, 39.3883, 5.5905



27.9406, 39.3883, 7.7312

Triad

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



38.1773, 39.3883, 5.5905



21.0952, 39.3883, 80.2579



59.5758, 39.3883, 85.9235

Complementary

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



38.1773, 39.3883, 5.5905



11.6582, 5.8778, 57.6463

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.



48.8738, 39.3883, 126.7571



38.1773, 39.3883, 5.5905



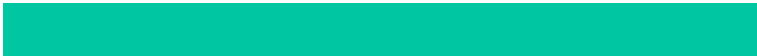
26.9061, 39.3883, 122.4706

Square

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



38.1773, 39.3883, 5.5905



19.3710, 39.3883, 40.8162



36.7071, 39.3883, 142.7161



64.2375, 39.3883, 45.0270

Rectangle

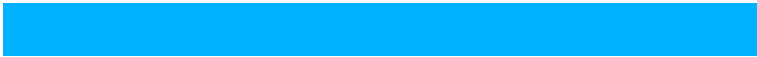
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.1773, 39.3883, 5.5905



23.2482, 39.3883, 12.9333



36.7071, 39.3883, 142.7161



56.4703, 39.3883, 100.7623

Sweetspot

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



38.1782, 39.3902, 5.5913



80.4867, 86.8154, 54.8981



25.2987, 12.9963, 3.2557



16.8724, 18.2288, 10.5323



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.



38.1782, 39.3902, 5.5913



63.0724, 64.9247, 9.2075



32.8865, 49.0075, 7.7265



11.9597, 12.7084, 11.9021



24.0957, 24.9244, 3.5409



1.2921, 1.3838, 0.1990

Inverse Universe

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



11.6582, 5.8778, 57.6463



19.1904, 9.5008, 95.4301



12.8365, 5.3587, 57.4840



10.7769, 11.1942, 14.1631



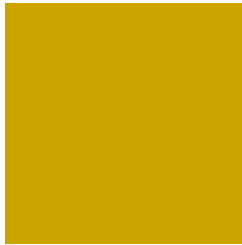
7.3900, 3.8040, 36.3010



0.4353, 0.3044, 1.8907

Previews

White Background



This preview shows how the XYZ color 38.1773, 39.3883, 5.5905 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 38.1773, 39.3883, 5.5905 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 38.1773, 39.3883, 5.5905

Background



This preview shows how black text looks on a background with the XYZ color 38.1773, 39.3883, 5.5905.

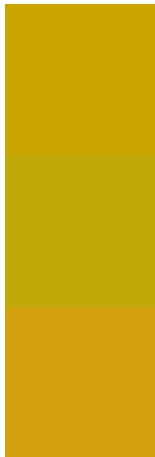


This preview shows how white text looks on a background with the XYZ color 38.1773, 39.3883,

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

38.1773, 39.3883, 5.5905

Protanopia

35.4725, 39.3428, 5.9828

Deuteranopia

40.0906, 39.3195, 5.8919



Tritanopia

45.0805, 39.1339, 40.2996

Trichromacy



Original Color

38.1773, 39.3883, 5.5905

Protanomaly

36.3573, 39.2527, 5.8326

Deuteranomaly

39.3725, 39.2111, 5.7518

Tritanomaly

40.6817, 38.3317, 18.3513

Monochromacy



Original Color

38.1773, 39.3883, 5.5905

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.3266, 35.0604, 17.1201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1773, 39.3883, 5.5905 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, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 164, 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, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 164, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.1773, 39.3883, 5.5905 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, 164, 0) }
```


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

```
.border{ border-color:rgb(204, 164, 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, 164, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 164,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1773, 39.3883, 5.5905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 164, 0) }
```

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

```
.background{ background-color: rgb(204,  
164, 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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