

Converting Colors

XYZ(38.0082, 38.8496, 12.9909)

Have a look what the booklet for
XYZ(38.0082, 38.8496, 12.9909)
contains.

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Color

**XYZ(38.0983, 38.9157,
13.0929)**

Conversions

Conversions Part 1

Format	Color
Hex	C7A350
RGB	199, 163, 80
RGB Percent	78%, 64%, 31%
CMY	0.2196, 0.3608, 0.6863
CMYK	0.00, 0.18, 0.60, 0.22
HSL	42°, 52%, 55%
HSV	42°, 60%, 78%
XYZ	38.0983, 38.9157, 13.0929
YIQ	164.3020, 48.0990, -18.1810

Conversions

Conversions Part 2

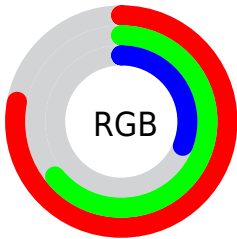
Format	Color
RYB	132, 199, 80
Decimal	13083472
CIELab	68.69, 3.62, 47.30
CIElCh	69, 47.439, 85.628
Yxy	38.9157, 0.4228, 0.4319
Android (android.graphics.Color)	4291273552 (0xFFC7A350)
YUV	164.3020, -41.5609, 30.4301
Hunter-Lab	62.3824, -0.1555, 31.2239

Details

The XYZ color **38.0983, 38.9157, 13.0929** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **19.8621, 18.3190, 56.5215**, and the grayscale version is **35.6073, 37.4616, 40.7957**.

A 20% lighter version of the original color is **70.4763, 73.0688, 32.2190**, and **17.1713, 17.4278, 3.6213** is the 20% darker color. If you saturate the color by 10%, you get **36.4260, 36.5786, 9.4297**, and if you desaturate by 10%, it is **40.0411, 41.4454, 17.9212**.

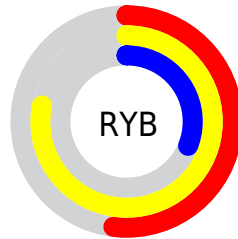
Distribution



Red (78%)

Green (64%)

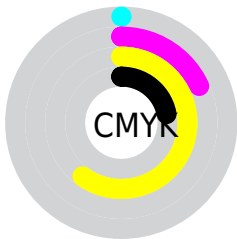
Blue (31%)



Red (52%)

Yellow (78%)

Blue (31%)

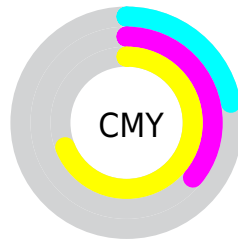


Cyan (0%)

Magenta (18%)

Yellow (60%)

Black (22%)



Cyan (22%)


Magenta (36%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0983, 38.9157, 13.0929 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 38.0983, 38.9157, 13.0929 by changing the saturation by 10% instead.


 38.0983, 38.9157,
13.0929


 38.0983, 38.9157,
13.0929


329.3150,
341.5320, 222.7409

 26.2366, 26.6942,
7.3611


 71.5617, 73.5095,
32.1642


 17.1343, 17.3437,
3.6071


 93.8941, 96.6506,
46.3408


 10.4262, 10.4798,
1.4124


 120.4474,
124.2003, 64.1693

 5.7469, 5.7182,
0.1513

 151.5869,
156.5430, 86.0684

 2.7310, 2.6745,
0.0000

 187.6781,
194.0631, 112.4566

 1.0131, 0.9643,
0.0000

229.0863,

 0.0000, 0.0000,

237.1451, 143.7523

0.0000

276.1768,
286.1732, 180.3743

■ 38.0983, 38.9157,
13.0929

■ 38.0983, 38.9157,
13.0929

■ 36.4260, 36.5786,
9.4297

■ 40.0411, 41.4454,
17.9212

■ 35.0007, 34.4192,
6.8244

■ 42.2697, 44.1704,
24.0043

■ 33.7994, 32.4284,
5.1539

■ 44.8014, 47.1002,
31.4259

■ 32.7775, 30.5874,
4.1880

■ 47.6512, 50.2419,
40.2616

■ 32.7576, 30.5513,
4.1705

■ 50.8330, 53.6020,
50.5815

■ 54.3598, 57.1868,
62.4509

■ 58.2439, 61.0022,
75.9312

■ 62.4968, 65.0538,
91.0805

■ 66.4620, 69.0800,
104.4386

Harmonies

Analogous

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



45.7412, 38.9157, 16.6086



38.0983, 38.9157, 13.0929



31.0949, 38.9157, 14.9790

Triad

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



38.0983, 38.9157, 13.0929



25.4504, 38.9157, 62.8636



50.2131, 38.9157, 70.2262

Complementary

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



38.0983, 38.9157, 13.0929



19.8621, 18.3190, 56.5215

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.



43.5827, 38.9157, 91.5808



38.0983, 38.9157, 13.0929



29.4297, 38.9157, 86.4187

Square

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



38.0983, 38.9157, 13.0929



24.3924, 38.9157, 39.3020



35.8999, 38.9157, 98.3314



53.3103, 38.9157, 45.5991

Rectangle

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



38.0983, 38.9157, 13.0929



27.6081, 38.9157, 19.5565



35.8999, 38.9157, 98.3314



48.2834, 38.9157, 78.3118

Sweetspot

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



38.0992, 38.9176, 13.0937



84.2508, 88.8479, 73.0954



29.6731, 19.1802, 19.1797



17.6994, 18.6573, 14.5859



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.



38.0992, 38.9176, 13.0937



62.9209, 62.7814, 14.8305



40.0445, 50.7944, 15.2836



11.2427, 11.8545, 11.2583



21.1441, 19.8053, 2.7084



1.0627, 1.0608, 0.1487

Inverse Universe

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



19.8621, 18.3190, 56.5215



28.2589, 23.7367, 97.7000



18.6365, 12.6753, 55.4967



10.3139, 10.8019, 13.4589



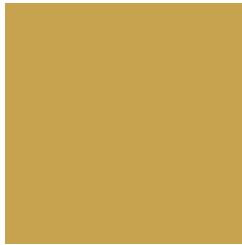
7.7424, 4.8787, 35.2780



0.4312, 0.3603, 1.6920

Previews

White Background



This preview shows how the XYZ color 38.0983, 38.9157, 13.0929 looks on a white background.

Color Contrast Check

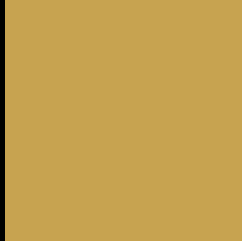
Large Text (above 18pt) WCAG AA × Fail

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 38.0983, 38.9157, 13.0929 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 38.0983, 38.9157, 13.0929

Background



This preview shows how black text looks on a background with the XYZ color 38.0983, 38.9157, 13.0929.



This preview shows how white text looks on a background with the XYZ color 38.0983, 38.9157,

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

38.0983, 38.9157, 13.0929

Protanopia

35.7753, 39.0536, 13.6352

Deuteranopia

39.7881, 39.0011, 13.2155



Tritanopia

43.8007, 38.9496, 40.8068

Trichromacy



Original Color

38.0983, 38.9157, 13.0929

Protanomaly

36.6073, 38.9429, 13.3719

Deuteranomaly

39.1319, 38.9212, 13.2346

Tritanomaly

40.9886, 38.5317, 27.8313

Monochromacy



Original Color

38.0983, 38.9157, 13.0929

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.6406, 37.5915, 27.5677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0983, 38.9157, 13.0929 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(199, 163, 80)` looks like.

```
.text, #text, p{  
    color:rgb(199, 163, 80)  
}
```

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(199, 163, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 163, 80) }
```

Border

The CSS property to change the border of an element to XYZ 38.0983, 38.9157, 13.0929 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(199, 163, 80) }
```


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

```
.border{ border-color:rgb(199, 163, 80) }
```

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

Here you see how a box with a 4 pixel rgb(199, 163, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 163, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 163, 80);  
box-shadow:4px 4px 4px 4px rgb(199, 163,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0983, 38.9157, 13.0929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 163, 80) }
```

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

```
.background{ background-color: rgb(199,  
163, 80) }
```

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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