

Converting Colors

XYZ(40.0122, 38.4399, 17.2778)

Have a look what the booklet for
XYZ(40.0122, 38.4399, 17.2778)
contains.

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Color

**XYZ(39.9807, 38.4956,
17.3798)**

Conversions

Conversions Part 1

Format	Color
Hex	CE9E64
RGB	206, 158, 100
RGB Percent	81%, 62%, 39%
CMY	0.1922, 0.3804, 0.6078
CMYK	0.00, 0.23, 0.51, 0.19
HSL	33°, 52%, 60%
HSV	33°, 51%, 81%
XYZ	39.9807, 38.4956, 17.3798
YIQ	165.7400, 47.2260, -7.8620

Conversions

Conversions Part 2

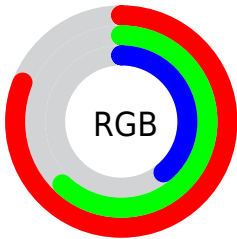
Format	Color
RYB	188, 206, 100
Decimal	13540964
CIELab	68.38, 10.91, 37.00
CIELCh	68, 38.574, 73.573
Yxy	38.4956, 0.4171, 0.4016
Android (android.graphics.Color)	4291731044 (0xFFCE9E64)
YUV	165.7400, -32.4098, 35.3080
Hunter-Lab	62.0448, 6.4441, 26.8232

Details

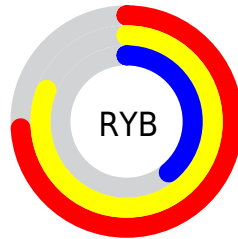
The XYZ color **39.9807, 38.4956, 17.3798** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.9856, 28.3443, 62.4410**, and the grayscale version is **36.2563, 38.1444, 41.5393**.

A 20% lighter version of the original color is **70.7017, 71.1155, 39.7060**, and **18.2497, 17.1440, 5.4792** is the 20% darker color. If you saturate the color by 10%, you get **37.5760, 35.0853, 12.2657**, and if you desaturate by 10%, it is **42.7601, 42.2520, 23.8632**.

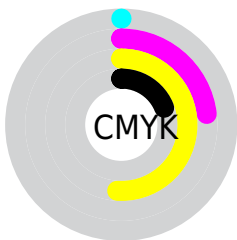
Distribution



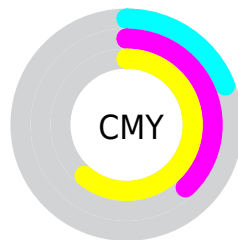
- Red (81%)
- Green (62%)
- Blue (39%)



- Red (74%)
- Yellow (81%)
- Blue (39%)



- Cyan (0%)
- Magenta (23%)
- Yellow (51%)
- Black (19%)



- Cyan (19%)
- Magenta (38%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9807, 38.4956, 17.3798 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 39.9807, 38.4956, 17.3798 by changing the saturation by 10% instead.

39.9807, 38.4956,
17.3798

39.9807, 38.4956,
17.3798

337.1780,
339.7412, 249.4693

27.7076, 26.3676,
10.3408

74.4186, 72.8671,
39.7772

18.2447, 17.0988,
5.5170

97.3143, 95.8794,
55.9727

11.2266, 10.3050,
2.4897

124.4814,
123.2886, 76.0575

6.2879, 5.6016,
0.8347

156.2855,
155.4790, 100.4501

3.0632, 2.6044,
0.0000

193.0918,
192.8351, 129.5690

1.1873, 0.9289,
0.0000

235.2658,

0.0963, 0.0000,

235.7412, 163.8328

0.0000

283.1727,
284.5818, 203.6601

■ 0.0000, 0.0000,
0.0000

■ 39.9807, 38.4956,
17.3798

■ 39.9807, 38.4956,
17.3798

■ 37.5760, 35.0853,
12.2657

■ 42.7601, 42.2520,
23.8632

■ 35.5213, 32.0024,
8.4157

■ 45.9314, 46.3610,
31.8058

■ 33.7924, 29.2345,
5.7126

■ 49.5138, 50.8359,
41.2928

■ 32.3599, 26.7651,
4.0160

■ 53.5243, 55.6873,
52.4017

■ 31.3281, 24.8710,
3.1494

■ 57.9791, 60.9253,
65.2049

■ 62.8930, 66.5598,
79.7706

■ 68.2804, 72.5999,
96.1630

■ 72.5362, 78.4071,
105.9188

■ 75.2413, 83.8173,
106.8205

Harmonies

Analogous

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



45.6875, 38.4956, 22.8789



39.9807, 38.4956, 17.3798



33.9244, 38.4956, 17.1419

Triad

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



39.9807, 38.4956, 17.3798



26.3994, 38.4956, 50.2362



45.2137, 38.4956, 71.0063

Complementary

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



39.9807, 38.4956, 17.3798



26.9856, 28.3443, 62.4410

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.



39.3894, 38.4956, 83.3935



39.9807, 38.4956, 17.3798



28.7864, 38.4956, 69.3506

Square

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



39.9807, 38.4956, 17.3798



26.5203, 38.4956, 33.1762



33.3946, 38.4956, 82.7154



48.9292, 38.4956, 52.0680

Rectangle

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



39.9807, 38.4956, 17.3798



30.5216, 38.4956, 19.8218



33.3946, 38.4956, 82.7154



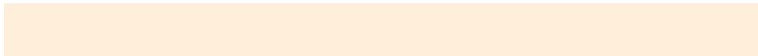
43.4113, 38.4956, 76.2810

Sweetspot

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



39.9816, 38.4975, 17.3806



84.2136, 87.2202, 77.8719



35.4731, 24.4214, 31.4740



17.7277, 18.3091, 15.8433



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.



39.9816, 38.4975, 17.3806



60.4121, 56.1594, 18.9406



48.8551, 57.6843, 20.6163



11.7126, 12.2141, 11.8197



19.3891, 15.5111, 1.9720



1.0755, 0.9506, 0.1268

Inverse Universe

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



26.9856, 28.3443, 62.4410



37.0615, 37.9407, 99.9777



21.3530, 16.4862, 60.4491



11.0131, 11.6666, 14.2418



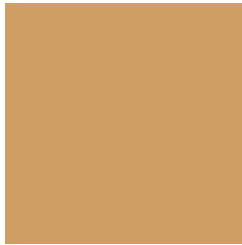
9.3794, 7.7828, 36.9642



0.5593, 0.5524, 1.9321

Previews

White Background



This preview shows how the XYZ color 39.9807, 38.4956, 17.3798 looks on a white background.

Color Contrast Check

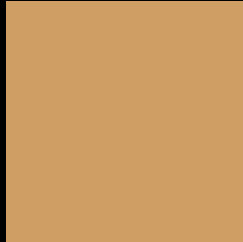
Large Text (above 18pt) WCAG AA × Fail

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 39.9807, 38.4956, 17.3798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

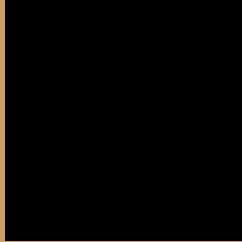
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.9807, 38.4956, 17.3798

Background



This preview shows how black text looks on a background with the XYZ color 39.9807, 38.4956, 17.3798.



This preview shows how white text looks on a background with the XYZ color 39.9807, 38.4956,

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

39.9807, 38.4956, 17.3798

Protanopia

35.5583, 38.5618, 18.4010

Deuteranopia

39.3270, 38.4129, 17.3983



Tritanopia

44.2919, 38.2702, 39.2349

Trichromacy



Original Color

39.9807, 38.4956, 17.3798

Protanomaly

37.1596, 38.5866, 18.0598

Deuteranomaly

39.6002, 38.5537, 17.4111

Tritanomaly

42.3459, 38.2019, 29.5679

Monochromacy



Original Color

39.9807, 38.4956, 17.3798

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.0357, 37.9711, 30.9684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9807, 38.4956, 17.3798 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(206, 158, 100)` looks like.

```
.text, #text, p{  
    color:rgb(206, 158, 100)  
}
```

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(206, 158, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 158, 100) }
```

Border

The CSS property to change the border of an element to XYZ 39.9807, 38.4956, 17.3798 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(206, 158, 100) }
```


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

```
.border{ border-color:rgb(206, 158, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 158, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 158, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 158, 100);  
box-shadow:4px 4px 4px 4px rgb(206, 158,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9807, 38.4956, 17.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 158, 100) }
```

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

```
.background{ background-color: rgb(206,  
158, 100) }
```

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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