

Converting Colors

XYZ(38.5735, 40.5249, 17.8747)

Have a look what the booklet for
XYZ(38.5735, 40.5249, 17.8747)
contains.

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Color

**XYZ(38.5510, 40.3947,
17.8217)**

Conversions

Conversions Part 1

Format	Color
Hex	C2A864
RGB	194, 168, 100
RGB Percent	76%, 66%, 39%
CMY	0.2392, 0.3412, 0.6078
CMYK	0.00, 0.13, 0.48, 0.24
HSL	43°, 44%, 58%
HSV	43°, 48%, 76%
XYZ	38.5510, 40.3947, 17.8217
YIQ	168.0220, 37.3240, -15.6360

Conversions

Conversions Part 2

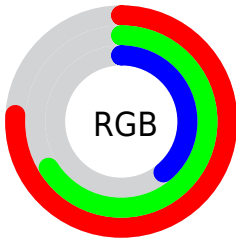
Format	Color
RYB	136, 194, 100
Decimal	12757092
CIELab	69.75, 0.50, 38.44
CIElCh	70, 38.445, 89.250
Yxy	40.3947, 0.3984, 0.4174
Android (android.graphics.Color)	4290947172 (0xFFC2A864)
YUV	168.0220, -33.5348, 22.7827
Hunter-Lab	63.5568, -2.9536, 27.8645

Details

The XYZ color **38.5510, 40.3947, 17.8217** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **22.4537, 21.5253, 54.0101**, and the grayscale version is **37.3778, 39.3243, 42.8242**.

A 20% lighter version of the original color is **72.2001, 75.7378, 40.5193**, and **17.3242, 18.1331, 5.7189** is the 20% darker color. If you saturate the color by 10%, you get **36.7518, 38.1242, 13.1283**, and if you desaturate by 10%, it is **40.6167, 42.8402, 23.7079**.

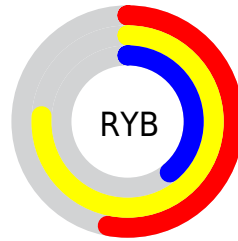
Distribution



Red (76%)

Green (66%)

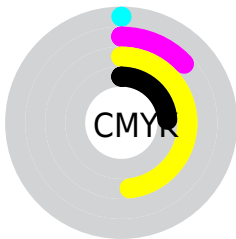
Blue (39%)



Red (53%)

Yellow (76%)

Blue (39%)

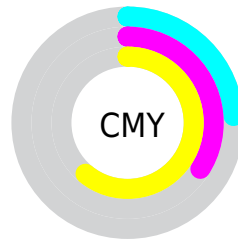


Cyan (0%)

Magenta (13%)

Yellow (48%)

Black (24%)



Cyan (24%)


Magenta (34%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5510, 40.3947, 17.8217 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 38.5510, 40.3947, 17.8217 by changing the saturation by 10% instead.


 38.5510, 40.3947,
17.8217


 38.5510, 40.3947,
17.8217


331.2179,
347.7844, 252.0664


 26.5898, 27.8464,
10.6539


 72.2504, 75.7642,
40.5431


 17.4004, 18.2099,
5.7234


 94.7192, 99.3542,
56.9338

 10.6174, 11.1008,
2.6116


 121.4213,
127.3935, 77.2359

 5.8756, 6.1347,
0.8984

 152.7220,
160.2666, 101.8680

 2.8095, 2.9271,
0.0000

188.9866,
198.3578, 131.2485

 1.0538, 1.0938,
0.0000

230.5806,

 0.0000, 0.0000,

242.0516, 165.7961

0.0000

277.8692,
291.7323, 205.9292

■ 38.5510, 40.3947,
17.8217

■ 38.5510, 40.3947,
17.8217

■ 36.7518, 38.1242,
13.1283

■ 40.6167, 42.8402,
23.7079

■ 35.1994, 36.0156,
9.5400

■ 42.9608, 45.4617,
30.8610

■ 33.8761, 34.0624,
6.9612

■ 45.5983, 48.2674,
39.3522

■ 32.7599, 32.2551,
5.2788

■ 48.5418, 51.2632,
49.2466

■ 31.8160, 30.5789,
4.3116

■ 51.8033, 54.4546,
60.6049

■ 31.6774, 30.3280,
4.1843

■ 55.3942, 57.8468,
73.4844

■ 59.3251, 61.4449,
87.9392

■ 63.5736, 65.2404,
103.8497

■ 64.9282, 67.9496,
104.3012

Harmonies

Analogous

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



44.8512, 40.3947, 20.5941



38.5510, 40.3947, 17.8217



32.8324, 40.3947, 20.3245

Triad

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



38.5510, 40.3947, 17.8217



28.8608, 40.3947, 62.9689



49.6381, 40.3947, 63.9623

Complementary

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



38.5510, 40.3947, 17.8217



22.4537, 21.5253, 54.0101

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.



44.5505, 40.3947, 81.2259



38.5510, 40.3947, 17.8217



32.5883, 40.3947, 80.5517

Square

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



38.5510, 40.3947, 17.8217



27.6170, 40.3947, 43.5353



38.2373, 40.3947, 87.9861



51.6628, 40.3947, 44.4337

Rectangle

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



38.5510, 40.3947, 17.8217



30.0142, 40.3947, 25.1722



38.2373, 40.3947, 87.9861



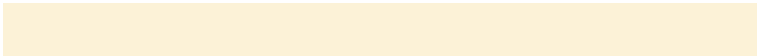
48.2041, 40.3947, 70.3974

Sweetspot

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



38.5520, 40.3966, 17.8225



84.2658, 89.1556, 76.7765



30.6124, 22.1068, 22.6077



18.2098, 19.2732, 16.0040



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.



38.5520, 40.3966, 17.8225



66.4441, 68.8868, 23.4381



38.9661, 48.4602, 19.3571



10.6703, 11.2721, 10.6752



20.8987, 20.0831, 2.7749



0.9583, 0.9784, 0.1383

Inverse Universe

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



22.4537, 21.5253, 54.0101



33.9488, 30.8415, 96.6335



22.0918, 17.0292, 53.1613



9.7500, 10.1913, 12.7381



7.3189, 4.3942, 34.0190



0.3761, 0.3097, 1.4898

Previews

White Background



This preview shows how the XYZ color 38.5510, 40.3947, 17.8217 looks on a white background.

Color Contrast Check

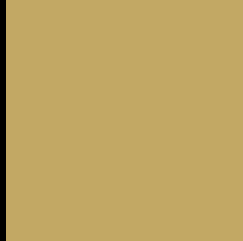
Large Text (above 18pt) WCAG AA × Fail

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 38.5510, 40.3947, 17.8217 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 38.5510, 40.3947, 17.8217

Background



This preview shows how black text looks on a background with the XYZ color 38.5510, 40.3947, 17.8217.

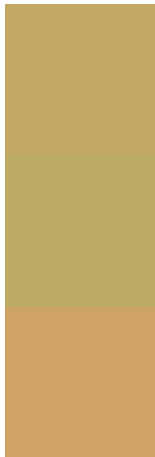


This preview shows how white text looks on a background with the XYZ color 38.5510, 40.3947,

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

38.5510, 40.3947, 17.8217

Protanopia

37.4054, 40.6302, 18.1829

Deuteranopia

41.1783, 40.3994, 17.9394



Tritanopia

43.9319, 40.1923, 44.4722

Trichromacy



Original Color

38.5510, 40.3947, 17.8217

Protanomaly

37.9589, 40.6362, 18.1548

Deuteranomaly

40.1612, 40.4064, 17.9944

Tritanomaly

41.3973, 39.9218, 32.7179

Monochromacy



Original Color

38.5510, 40.3947, 17.8217

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.0920, 39.3355, 31.6242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5510, 40.3947, 17.8217 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(194, 168, 100)` looks like.

```
.text, #text, p{  
    color:rgb(194, 168, 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(194, 168, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 168, 100) }
```

Border

The CSS property to change the border of an element to XYZ 38.5510, 40.3947, 17.8217 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(194, 168, 100) }
```


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

```
.border{ border-color:rgb(194, 168, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 168, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 168, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 168, 100);  
box-shadow:4px 4px 4px 4px rgb(194, 168,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5510, 40.3947, 17.8217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 168, 100) }
```

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

```
.background{ background-color: rgb(194,  
168, 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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