

Converting Colors

XYZ(39.6303, 38.8420, 16.7178)

Have a look what the booklet for
XYZ(39.6303, 38.8420, 16.7178)
contains.

XYZ(39.6303, 38.8420, 16.7178)	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(39.6303, 38.8420,
16.7178)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA061
RGB	204, 160, 97
RGB Percent	80%, 63%, 38%
CMY	0.2000, 0.3725, 0.6196
CMYK	0.00, 0.22, 0.52, 0.20
HSL	35°, 51%, 59%
HSV	35°, 52%, 80%
XYZ	39.6303, 38.8420, 16.7178
YIQ	165.9740, 46.4470, -10.2650

Conversions

Conversions Part 2

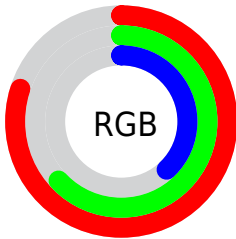
Format	Color
RYB	172, 204, 97
Decimal	13410401
CIELab	68.64, 8.72, 38.83
CIELCh	69, 39.798, 77.339
Yxy	38.8420, 0.4163, 0.4080
Android (android.graphics.Color)	4291600481 (0xFFCCA061)
YUV	165.9740, -34.0042, 33.3488
Hunter-Lab	62.3234, 4.4391, 27.7222

Details

The XYZ color **39.6303, 38.8420, 16.7178** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.3534, 25.9498, 60.7991**, and the grayscale version is **36.3772, 38.2717, 41.6778**.

A 20% lighter version of the original color is **70.9653, 72.0308, 38.5968**, and **18.0348, 17.3537, 5.1954** is the 20% darker color. If you saturate the color by 10%, you get **37.3935, 35.7000, 11.8677**, and if you desaturate by 10%, it is **42.2117, 42.2818, 22.8902**.

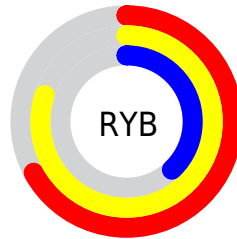
Distribution



Red (80%)

Green (63%)

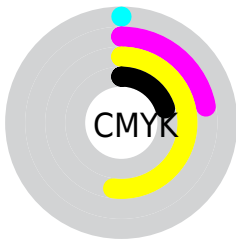
Blue (38%)



Red (67%)

Yellow (80%)

Blue (38%)

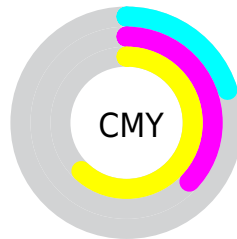


Cyan (0%)

Magenta (22%)

Yellow (52%)

Black (20%)



Cyan (20%)


Magenta (37%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6303, 38.8420, 16.7178 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 39.6303, 38.8420, 16.7178 by changing the saturation by 10% instead.


 39.6303, 38.8420,
16.7178


 39.6303, 38.8420,
16.7178


335.7241,
341.2183, 245.5295


 27.4333, 26.6368,
9.8737


 73.8881, 73.3969,
38.6239

 18.0372, 17.3007,
5.2108


 96.6797, 96.5154,
54.5230

 11.0766, 10.4491,
2.3106


 123.7336,
124.0405, 74.2774

 6.1860, 5.6977,
0.7371

 155.4150,
156.3565, 98.3058

 3.0003, 2.6622,
0.0000

192.0895,
193.8479, 127.0267

 1.1539, 0.9580,
0.0000

234.1222,

 0.0695, 0.0000,

236.8991, 160.8586

0.0000

281.8786,
285.8944, 200.2200

■ 0.0000, 0.0000,
0.0000

■ 39.6303, 38.8420,
16.7178

■ 39.6303, 38.8420,
16.7178

■ 37.3935, 35.7000,
11.8677

■ 42.2117, 42.2818,
22.8902

■ 35.4775, 32.8387,
8.2360

■ 45.1538, 46.0244,
30.4734

■ 33.8591, 30.2473,
5.7070

■ 48.4750, 50.0816,
39.5507

■ 32.5099, 27.9110,
4.1410

■ 52.1915, 54.4625,
50.1985

■ 31.6328, 26.2993,
3.4091

■ 56.3183, 59.1761,
62.4878

■ 60.8697, 64.2306,
76.4851

■ 65.8591, 69.6341,
92.2533

■ 70.4505, 75.0548,
105.3816

■ 72.8024, 79.7586,
106.1656

Harmonies

Analogous

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



45.7261, 38.8420, 21.6085



39.6303, 38.8420, 16.7178



33.4332, 38.8420, 17.1146

Triad

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



39.6303, 38.8420, 16.7178



26.5442, 38.8420, 53.4655



46.5350, 38.8420, 70.3423

Complementary

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



39.6303, 38.8420, 16.7178



25.3534, 25.9498, 60.7991

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.



40.6372, 38.8420, 84.6682



39.6303, 38.8420, 16.7178



29.3208, 38.8420, 73.1829

Square

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



39.6303, 38.8420, 16.7178



26.3399, 38.8420, 35.1521



34.3327, 38.8420, 85.8345



50.0060, 38.8420, 50.3393

Rectangle

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



39.6303, 38.8420, 16.7178



30.0641, 38.8420, 20.3151



34.3327, 38.8420, 85.8345



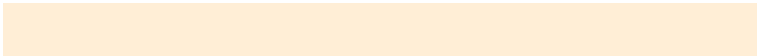
44.7420, 38.8420, 76.2006

Sweetspot

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



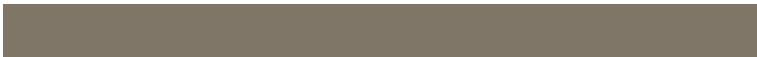
39.6312, 38.8439, 16.7186



84.0430, 87.4050, 76.1936



34.0280, 23.3276, 28.1371



17.7134, 18.3840, 15.5193



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.



39.6312, 38.8439, 16.7186



61.4620, 58.4461, 18.7140



46.2777, 55.6619, 19.6145



11.7521, 12.2931, 11.8328



20.0037, 16.7404, 2.1769



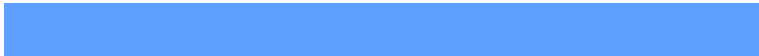
1.1056, 1.0108, 0.1368

Inverse Universe

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



25.3534, 25.9498, 60.7991



35.3432, 34.9004, 99.4814



21.1081, 15.9686, 59.0963



10.9743, 11.5890, 14.2289



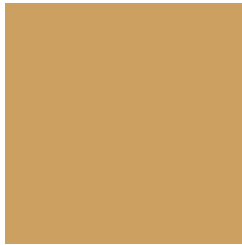
8.9363, 6.8966, 36.8165



0.5352, 0.5041, 1.9240

Previews

White Background



This preview shows how the XYZ color 39.6303, 38.8420, 16.7178 looks on a white background.

Color Contrast Check

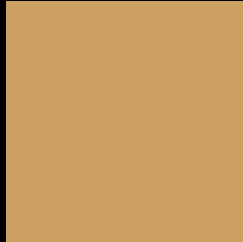
Large Text (above 18pt) WCAG AA × Fail

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 39.6303, 38.8420, 16.7178 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 39.6303, 38.8420, 16.7178

Background



This preview shows how black text looks on a background with the XYZ color 39.6303, 38.8420, 16.7178.



This preview shows how white text looks on a background with the XYZ color 39.6303, 38.8420,

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

39.6303, 38.8420, 16.7178

Protanopia

35.8313, 38.9926, 17.6944

Deuteranopia

39.6303, 38.8420, 16.7178



Tritanopia

44.5074, 38.8384, 40.2727

Trichromacy



Original Color

39.6303, 38.8420, 16.7178

Protanomaly

37.1931, 38.8875, 17.3501

Deuteranomaly

39.6303, 38.8420, 16.7178

Tritanomaly

42.4674, 38.7460, 30.0514

Monochromacy



Original Color

39.6303, 38.8420, 16.7178

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.9056, 38.1773, 30.6231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6303, 38.8420, 16.7178 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, 160, 97)` looks like.

```
.text, #text, p{  
    color:rgb(204, 160, 97)  
}
```

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, 160, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 160, 97) }
```

Border

The CSS property to change the border of an element to XYZ 39.6303, 38.8420, 16.7178 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, 160, 97) }
```


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

```
.border{ border-color:rgb(204, 160, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 160, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 160, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 160, 97);  
box-shadow:4px 4px 4px 4px rgb(204, 160,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6303, 38.8420, 16.7178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 160, 97) }
```

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

```
.background{ background-color: rgb(204,  
160, 97) }
```

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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