

Converting Colors

XYZ(39.9848, 39.1658, 18.0246)

Have a look what the booklet for
XYZ(39.9848, 39.1658, 18.0246)
contains.

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Color

**XYZ(40.0450, 39.2864,
18.0428)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA166
RGB	204, 161, 102
RGB Percent	80%, 63%, 40%
CMY	0.2000, 0.3686, 0.6000
CMYK	0.00, 0.21, 0.50, 0.20
HSL	35°, 50%, 60%
HSV	35°, 50%, 80%
XYZ	40.0450, 39.2864, 18.0428
YIQ	167.1310, 44.5670, -9.2330

Conversions

Conversions Part 2

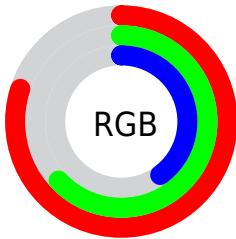
Format	Color
R_{YB}	176, 204, 102
Decimal	13410662
CIE _{Lab}	68.96, 8.64, 36.63
CIE _{LCh}	69, 37.631, 76.733
Yxy	39.2864, 0.4112, 0.4035
Android (android.graphics.Color)	4291600742 (0xFFCCA166)
YUV	167.1310, -32.1096, 32.3341
Hunter-Lab	62.6789, 4.3541, 26.8079

Details

The XYZ color **40.0450, 39.2864, 18.0428** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.5036, 27.4342, 61.0251**, and the grayscale version is **36.9317, 38.8550, 42.3131**.

A 20% lighter version of the original color is **71.6286, 72.7048, 40.8301**, and **18.2512, 17.6119, 5.8057** is the 20% darker color. If you saturate the color by 10%, you get **37.7040, 36.0291, 12.8705**, and if you desaturate by 10%, it is **42.7403, 42.8538, 24.5621**.

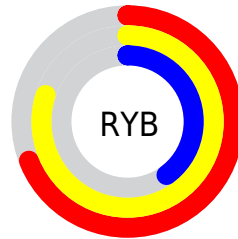
Distribution



Red (80%)

Green (63%)

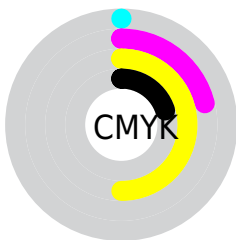
Blue (40%)



Red (69%)

Yellow (80%)

Blue (40%)

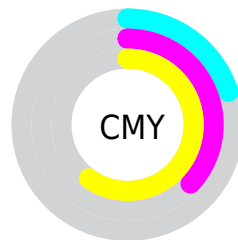


Cyan (0%)

Magenta (21%)

Yellow (50%)

Black (20%)



Cyan (20%)


Magenta (37%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0450, 39.2864, 18.0428 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 40.0450, 39.2864, 18.0428 by changing the saturation by 10% instead.


 40.0450, 39.2864,
18.0428


 40.0450, 39.2864,
18.0428


337.4444,
343.1066, 253.3564


 27.7580, 26.9826,
10.8110

 74.5159, 74.0756,
40.9252


 18.2828, 17.5602,
5.8273


 97.4306, 97.3299,
57.4128

 11.2542, 10.6347,
2.6733


 124.6185,
125.0030, 77.8227

 6.3066, 5.8217,
0.9299

 156.4450,
157.4795, 102.5735

 3.0748, 2.7370,
0.0000

193.2755,
195.1437, 132.0838

 1.1935, 0.9960,
0.0000

235.4753,

 0.1012, 0.0000,

238.3800, 166.7720

0.0000

283.4098,
287.5729, 207.0567

■ 0.0000, 0.0000,
0.0000

■ 40.0450, 39.2864,
18.0428

■ 40.0450, 39.2864,
18.0428

■ 37.7040, 36.0291,
12.8705

■ 42.7403, 42.8538,
24.5621

■ 35.6936, 33.0646,
8.9443

■ 45.8056, 46.7363,
32.5147

■ 33.9916, 30.3821,
6.1525


■ 49.2592, 50.9458,
41.9825


■ 32.5706, 27.9672,
4.3623


■ 53.1170, 55.4918,
53.0402


■ 31.3814, 25.7966,
3.3253

■ 57.3941, 60.3831,
65.7579

 31.3813, 25.7964,
3.3252

 62.1046, 65.6284,
80.2012

 67.2619, 71.2357,
96.4323

 71.1924, 76.5385,
105.6289

 73.6420, 81.4378,
106.4455

Harmonies

Analogous

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



45.7992, 39.2864, 22.9806



40.0450, 39.2864, 18.0428



34.1233, 39.2864, 18.3347

Triad

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



40.0450, 39.2864, 18.0428



27.3658, 39.2864, 52.9878



46.3658, 39.2864, 69.5845

Complementary

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



40.0450, 39.2864, 18.0428



26.5036, 27.4342, 61.0251

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.



40.7540, 39.2864, 82.7527



40.0450, 39.2864, 18.0428



29.9933, 39.2864, 71.5536

Square

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



40.0450, 39.2864, 18.0428



27.2195, 39.2864, 35.6479



34.7607, 39.2864, 83.5568



49.7028, 39.2864, 50.7965

Rectangle

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



40.0450, 39.2864, 18.0428



30.8701, 39.2864, 21.4213



34.7607, 39.2864, 83.5568



44.6573, 39.2864, 75.0109

Sweetspot

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



40.0460, 39.2883, 18.0436



84.5623, 87.9176, 77.9882



34.8573, 24.4220, 30.1529



17.8117, 18.4771, 15.8713



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.



40.0460, 39.2883, 18.0436



62.1617, 59.2662, 20.7336



47.0696, 56.0423, 20.9073



11.7422, 12.2734, 11.8296



19.8457, 16.4243, 2.1242



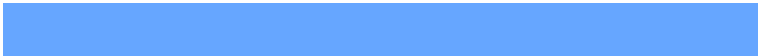
1.0979, 0.9955, 0.1343

Inverse Universe

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



26.5036, 27.4342, 61.0251



37.2555, 37.4968, 99.8818



21.9329, 17.1014, 59.2715



10.9839, 11.6083, 14.2321



9.0419, 7.1078, 36.8516



0.5410, 0.5158, 1.9260

Previews

White Background



This preview shows how the XYZ color 40.0450, 39.2864, 18.0428 looks on a white background.

Color Contrast Check

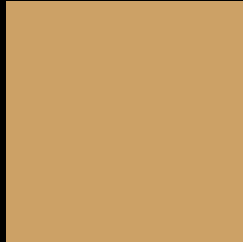
Large Text (above 18pt) WCAG AA × Fail

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 40.0450, 39.2864, 18.0428 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 40.0450, 39.2864, 18.0428

Background



This preview shows how black text looks on a background with the XYZ color 40.0450, 39.2864, 18.0428.



This preview shows how white text looks on a background with the XYZ color 40.0450, 39.2864,

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

40.0450, 39.2864, 18.0428

Protanopia

36.5049, 39.5862, 19.0815

Deuteranopia

40.0450, 39.2864, 18.0428



Tritanopia

44.7611, 39.2007, 40.8046

Trichromacy



Original Color

40.0450, 39.2864, 18.0428

Protanomaly

37.6208, 39.3483, 18.7089

Deuteranomaly

40.0450, 39.2864, 18.0428

Tritanomaly

42.7834, 39.1398, 30.8910

Monochromacy



Original Color

40.0450, 39.2864, 18.0428

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.2354, 38.5967, 31.4740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0450, 39.2864, 18.0428 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, 161, 102)` looks like.

```
.text, #text, p{  
    color:rgb(204, 161, 102)  
}
```

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, 161, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 161, 102) }
```

Border

The CSS property to change the border of an element to XYZ 40.0450, 39.2864, 18.0428 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, 161, 102) }
```


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

```
.border{ border-color:rgb(204, 161, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 161, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 161, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 161, 102);  
box-shadow:4px 4px 4px 4px rgb(204, 161,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0450, 39.2864, 18.0428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 161, 102) }
```

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

```
.background{ background-color: rgb(204,  
161, 102) }
```

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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