

Converting Colors

XYZ(39.7845, 39.0089, 18.1979)

Have a look what the booklet for
XYZ(39.7845, 39.0089, 18.1979)
contains.

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Color

**XYZ(39.6476, 38.8174,
18.2348)**

Conversions

Conversions Part 1

Format	Color
Hex	CBA067
RGB	203, 160, 103
RGB Percent	80%, 63%, 40%
CMY	0.2039, 0.3725, 0.5961
CMYK	0.00, 0.21, 0.49, 0.20
HSL	34°, 49%, 60%
HSV	34°, 49%, 80%
XYZ	39.6476, 38.8174, 18.2348
YIQ	166.3590, 43.9250, -8.6110

Conversions

Conversions Part 2

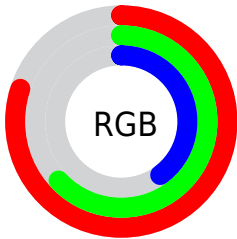
Format	Color
RYB	178, 203, 103
Decimal	13344871
CIELab	68.62, 8.85, 35.65
CIElCh	69, 36.736, 76.053
Yxy	38.8174, 0.4100, 0.4014
Android (android.graphics.Color)	4291534951 (0xFFCBA067)
YUV	166.3590, -31.2360, 32.1342
Hunter-Lab	62.3036, 4.5592, 26.2597

Details

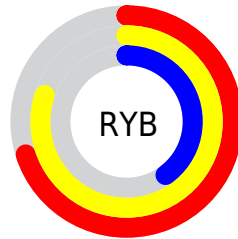
The XYZ color **39.6476, 38.8174, 18.2348** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.6515, 27.7520, 60.4518**, and the grayscale version is **36.5518, 38.4553, 41.8779**.

A 20% lighter version of the original color is **71.4568, 72.2274, 41.1855**, and **18.1671, 17.4067, 5.8923** is the 20% darker color. If you saturate the color by 10%, you get **37.2897, 35.5390, 13.0177**, and if you desaturate by 10%, it is **42.3610, 42.4109, 24.7915**.

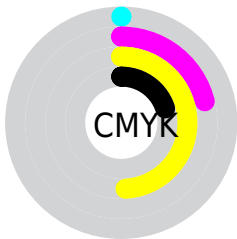
Distribution



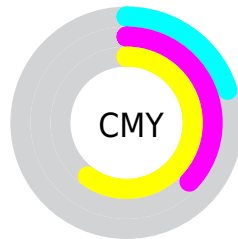
- Red (80%)
- Green (63%)
- Blue (40%)



- Red (70%)
- Yellow (80%)
- Blue (40%)



- Cyan (0%)
- Magenta (21%)
- Yellow (49%)
- Black (20%)




- Cyan (20%)
- Magenta (37%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6476, 38.8174, 18.2348 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 39.6476, 38.8174, 18.2348 by changing the saturation by 10% instead.


 39.6476, 38.8174,
18.2348


 39.6476, 38.8174,
18.2348


335.7960,
341.1135, 254.4716


 27.4469, 26.6177,
10.9475


 73.9143, 73.3593,
41.2563


 18.0474, 17.2863,
5.9178


 96.7111, 96.4703,
57.8277

 11.0839, 10.4388,
2.7272


 123.7705,
123.9871, 78.3308

 6.1910, 5.6909,
0.9571

 155.4581,
156.2943, 103.1842

 3.0034, 2.6580,
0.0000

192.1390,
193.7761, 132.8064

 1.1555, 0.9559,
0.0000

234.1787,

 0.0708, 0.0000,

236.8170, 167.6160

0.0000

281.9426,
285.8013, 208.0316

■ 0.0000, 0.0000,
0.0000

■ 39.6476, 38.8174,
18.2348

■ 39.6476, 38.8174,
18.2348

■ 37.2897, 35.5390,
13.0177

■ 42.3610, 42.4109,
24.7915

■ 35.2640, 32.5586,
9.0413

■ 45.4456, 46.3248,
32.7726

■ 33.5487, 29.8652,
6.1964

■ 48.9193, 50.5709,
42.2582

■ 32.1169, 27.4445,
4.3536

■ 52.7980, 55.1589,
53.3223

■ 30.9243, 25.2749,
3.2918

■ 57.0966, 60.0976,
66.0334

■ 30.8417, 25.1227,
3.2236

■ 61.8291, 65.3958,
80.4562

■ 67.0088, 71.0618,
96.6521

■ 70.9279, 76.4153,
105.6191

■ 73.4157, 81.3907,
106.4483

Harmonies

Analogous

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



45.1850, 38.8174, 23.1940



39.6476, 38.8174, 18.2348



33.8971, 38.8174, 18.4087

Triad

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



39.6476, 38.8174, 18.2348



27.1848, 38.8174, 51.7231



45.5173, 38.8174, 68.5208

Complementary

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



39.6476, 38.8174, 18.2348



26.6515, 27.7520, 60.4518

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.



40.0641, 38.8174, 80.9718



39.6476, 38.8174, 18.2348



29.6862, 38.8174, 69.6719

Square

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



39.6476, 38.8174, 18.2348



27.0984, 38.8174, 35.0276



34.2724, 38.8174, 81.4410



48.8064, 38.8174, 50.4376

Rectangle

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



39.6476, 38.8174, 18.2348



30.7150, 38.8174, 21.3511



34.2724, 38.8174, 81.4410



43.8524, 38.8174, 73.6897

Sweetspot

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



39.6485, 38.8193, 18.2356



84.4681, 87.7291, 77.9567



34.6933, 24.4831, 30.2278



17.7890, 18.4317, 15.8637



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.



39.6485, 38.8193, 18.2356



62.2482, 59.2336, 21.3961



46.6559, 55.4716, 21.0805



11.7342, 12.2574, 11.8269



19.7195, 16.1720, 2.0822



1.0918, 0.9832, 0.1322

Inverse Universe

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



26.6515, 27.7520, 60.4518



38.0550, 38.6600, 100.0642



22.0191, 17.3064, 58.6797



10.9918, 11.6240, 14.2347



9.1301, 7.2842, 36.8811



0.5459, 0.5255, 1.9276

Previews

White Background



This preview shows how the XYZ color 39.6476, 38.8174, 18.2348 looks on a white background.

Color Contrast Check

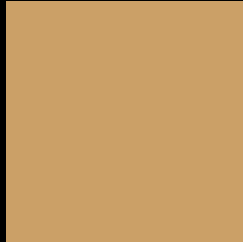
Large Text (above 18pt) WCAG AA × Fail

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 39.6476, 38.8174, 18.2348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

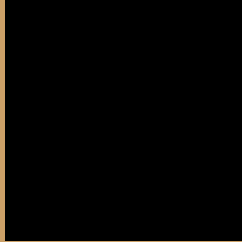
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.6476, 38.8174, 18.2348

Background



This preview shows how black text looks on a background with the XYZ color 39.6476, 38.8174, 18.2348.



This preview shows how white text looks on a background with the XYZ color 39.6476, 38.8174,

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

39.6476, 38.8174, 18.2348

Protanopia

36.1326, 39.1132, 19.2809

Deuteranopia

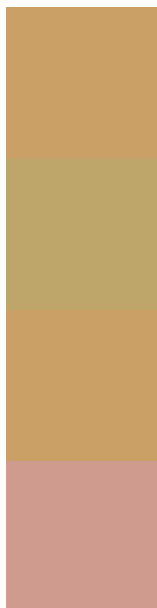
39.6476, 38.8174, 18.2348



Tritanopia

44.2236, 38.6921, 40.2594

Trichromacy



Original Color

39.6476, 38.8174, 18.2348

Protanomaly

37.2401, 38.8773, 18.9059

Deuteranomaly

39.6476, 38.8174, 18.2348

Tritanomaly

42.3360, 38.6611, 30.8222

Monochromacy



Original Color

39.6476, 38.8174, 18.2348

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.8238, 38.1178, 31.4032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6476, 38.8174, 18.2348 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(203, 160, 103)` looks like.

```
.text, #text, p{  
    color:rgb(203, 160, 103)  
}
```

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(203, 160, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 160, 103) }
```

Border

The CSS property to change the border of an element to XYZ 39.6476, 38.8174, 18.2348 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(203, 160, 103) }
```


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

```
.border{ border-color:rgb(203, 160, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 160, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 160, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 160, 103);  
box-shadow:4px 4px 4px 4px rgb(203, 160,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6476, 38.8174, 18.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 160, 103) }
```

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

```
.background{ background-color: rgb(203,  
160, 103) }
```

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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