

Converting Colors

XYZ(46.0638, 46.4877, 31.5320)

Have a look what the booklet for
XYZ(46.0638, 46.4877, 31.5320)
contains.

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Color

**XYZ(46.1879, 46.6031,
31.3719)**

Conversions

Conversions Part 1

Format	Color
Hex	CFB18C
RGB	207, 177, 140
RGB Percent	81%, 69%, 55%
CMY	0.1882, 0.3059, 0.4510
CMYK	0.00, 0.14, 0.32, 0.19
HSL	33°, 41%, 68%
HSV	33°, 32%, 81%
XYZ	46.1879, 46.6031, 31.3719
YIQ	181.7520, 29.7570, -5.1470

Conversions

Conversions Part 2

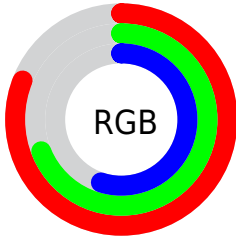
Format	Color
RYB	194, 207, 140
Decimal	13611404
CIELab	73.94, 5.45, 22.96
CIELCh	74, 23.601, 76.660
Yxy	46.6031, 0.3720, 0.3753
Android (android.graphics.Color)	4291801484 (0xFFCFB18C)
YUV	181.7520, -20.5837, 22.1425
Hunter-Lab	68.2665, 1.3037, 20.5398

Details

The XYZ color **46.1879, 46.6031, 31.3719** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.4521, 38.8288, 64.6051**, and the grayscale version is **44.4265, 46.7402, 50.9001**.

A 20% lighter version of the original color is **80.1165, 83.4329, 62.9205**, and **22.1280, 22.0808, 12.7686** is the 20% darker color. If you saturate the color by 10%, you get **43.0344, 42.5132, 23.4856**, and if you desaturate by 10%, it is **49.7553, 51.0609, 40.8138**.

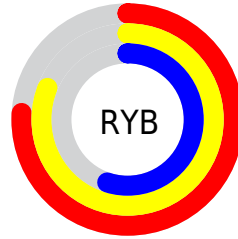
Distribution



Red (81%)

Green (69%)

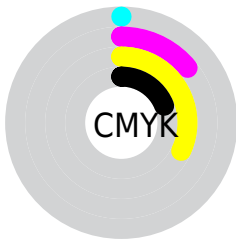
Blue (55%)



Red (76%)

Yellow (81%)

Blue (55%)

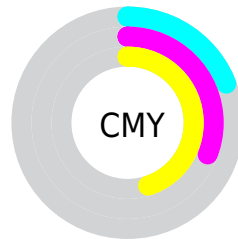


Cyan (0%)

Magenta (14%)

Yellow (32%)

Black (19%)



Cyan (19%)


Magenta (31%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1879, 46.6031, 31.3719 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 46.1879, 46.6031, 31.3719 by changing the saturation by 10% instead.


 46.1879, 46.6031,
31.3719

 46.1879, 46.6031,
31.3719


362.2668,
373.2280, 322.6521


 32.5994, 32.7220,
20.6214


 83.7263, 85.1209,
62.9115

 21.9775, 21.9136,
12.6590


 108.4068,
110.5263, 84.5377

 13.9569, 13.7934,
7.0662


 137.5155,
140.5420, 110.6262

 8.1722, 7.9771,
3.4245

171.4175,
175.5524, 141.5956

 4.2580, 4.0803,
1.3152

210.4783,
215.9418, 177.8643

 1.8491, 1.7186,
0.0742

255.0632,

 0.5470, 0.4356,

262.0946, 219.8509

0.0000

305.5376,
314.3952, 267.9740

■ 0.0000, 0.0000,
0.0000

■ 46.1879, 46.6031,
31.3719

■ 46.1879, 46.6031,
31.3719

■ 43.0344, 42.5132,
23.4856

■ 49.7553, 51.0609,
40.8138

■ 40.2726, 38.7732,
17.0661

■ 53.7503, 55.8907,
51.8875

■ 37.8834, 35.3733,
12.0203


■ 58.1901, 61.1050,
64.6678


■ 35.8445, 32.3003,
8.2427


■ 63.0902, 66.7133,
79.2237

■ 34.1302, 29.5396,
5.6124


■ 68.4649, 72.7251,
95.6207

 32.7105, 27.0747,
3.9844

 72.8106, 78.5422,
105.9304

 31.7864, 25.3739,
3.2223

 75.4976, 83.9162,
106.8260

 78.3243, 89.5697,
107.7683

 79.5422, 92.0054,
108.1742

Harmonies

Analogous

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



50.0828, 46.6031, 35.6879



46.1879, 46.6031, 31.3719



42.0157, 46.6031, 31.6247

Triad

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



46.1879, 46.6031, 31.3719



36.9874, 46.6031, 57.6796



50.4433, 46.6031, 68.3643

Complementary

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



46.1879, 46.6031, 31.3719



36.4521, 38.8288, 64.6051

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.



46.6550, 46.6031, 76.3346



46.1879, 46.6031, 31.3719



38.9710, 46.6031, 69.5287

Square

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



46.1879, 46.6031, 31.3719



36.8799, 46.6031, 45.5823



42.4542, 46.6031, 76.7916



52.6425, 46.6031, 56.2789

Rectangle

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



46.1879, 46.6031, 31.3719



39.6378, 46.6031, 34.3329



42.4542, 46.6031, 76.7916



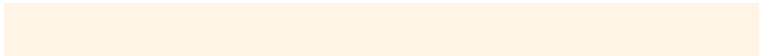
49.3030, 46.6031, 71.6917

Sweetspot

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



46.1891, 46.6053, 31.3729



87.6784, 91.3962, 87.5154



42.3805, 34.9301, 42.6136



18.5578, 19.3147, 18.1377



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.



46.1891, 46.6053, 31.3729



70.3671, 69.9739, 41.0506



51.8527, 59.3073, 33.5261



12.3423, 12.8752, 12.4467



20.1226, 16.1782, 2.0621



1.2037, 1.0618, 0.1415

Inverse Universe

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



36.4521, 38.8288, 64.6051



52.3447, 55.5857, 102.5780



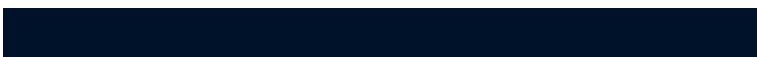
32.0295, 29.1327, 62.9667



11.5932, 12.2766, 15.0023



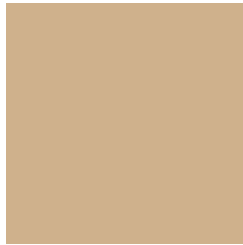
9.6356, 7.9178, 38.2129



0.6174, 0.6000, 2.1628

Previews

White Background



This preview shows how the XYZ color 46.1879, 46.6031, 31.3719 looks on a white background.

Color Contrast Check

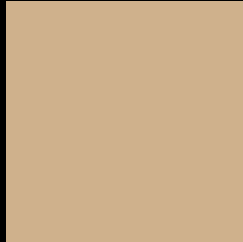
Large Text (above 18pt) WCAG AA × Fail

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 46.1879, 46.6031, 31.3719 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 46.1879, 46.6031, 31.3719

Background



This preview shows how black text looks on a background with the XYZ color 46.1879, 46.6031, 31.3719.



This preview shows how white text looks on a background with the XYZ color 46.1879, 46.6031,

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

46.1879, 46.6031, 31.3719

Protanopia

43.8586, 46.8782, 32.3280

Deuteranopia

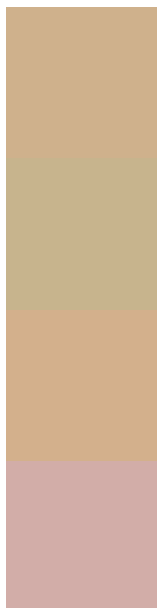
47.5042, 46.6995, 31.3211



Tritanopia

50.3660, 46.5836, 51.6844

Trichromacy



Original Color

46.1879, 46.6031, 31.3719

Protanomaly

44.6822, 46.7077, 31.8598

Deuteranomaly

47.1229, 46.7930, 31.3592

Tritanomaly

48.5898, 46.4159, 43.4440

Monochromacy



Original Color

46.1879, 46.6031, 31.3719

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.7822, 46.5089, 43.1761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1879, 46.6031, 31.3719 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(207, 177, 140)` looks like.

```
.text, #text, p{  
    color:rgb(207, 177, 140)  
}
```

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(207, 177, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 177, 140) }
```

Border

The CSS property to change the border of an element to XYZ 46.1879, 46.6031, 31.3719 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(207, 177, 140) }
```


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

```
.border{ border-color:rgb(207, 177, 140) }
```

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

Here you see how a box with a 4 pixel rgb(207, 177, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 177, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 177, 140);  
box-shadow:4px 4px 4px 4px rgb(207, 177,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1879, 46.6031, 31.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 177, 140) }
```

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

```
.background{ background-color: rgb(207,  
177, 140) }
```

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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