

Converting Colors

XYZ(46.5029, 48.0037, 34.8721)

Have a look what the booklet for
XYZ(46.5029, 48.0037, 34.8721)
contains.

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Color

**XYZ(46.4978, 47.8824,
34.8085)**

Conversions

Conversions Part 1

Format	Color
Hex	CBB594
RGB	203, 181, 148
RGB Percent	80%, 71%, 58%
CMY	0.2039, 0.2902, 0.4196
CMYK	0.00, 0.11, 0.27, 0.20
HSL	36°, 35%, 69%
HSV	36°, 27%, 80%
XYZ	46.4978, 47.8824, 34.8085
YIQ	183.8160, 23.7050, -5.5990

Conversions

Conversions Part 2

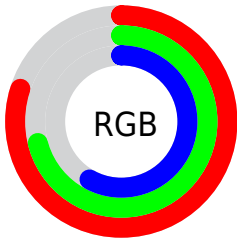
Format	Color
R_{YB}	185, 203, 148
Decimal	13350292
CIE _{Lab}	74.75, 2.81, 19.71
CIE _{LCh}	75, 19.912, 81.894
Yxy	47.8824, 0.3599, 0.3706
Android (android.graphics.Color)	4291540372 (0xFFCBB594)
YUV	183.8160, -17.6573, 16.8244
Hunter-Lab	69.1971, -1.1498, 18.6131

Details

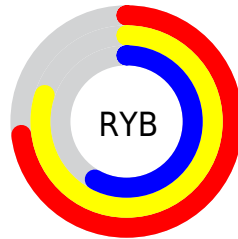
The XYZ color **46.4978, 47.8824, 34.8085** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.3667, 39.3561, 62.1272**, and the grayscale version is **45.5447, 47.9165, 52.1811**.

A 20% lighter version of the original color is **82.1849, 86.0926, 68.1630**, and **22.0896, 22.5973, 14.5067** is the 20% darker color. If you saturate the color by 10%, you get **43.4272, 44.0910, 26.5408**, and if you desaturate by 10%, it is **49.9489, 51.9834, 44.5945**.

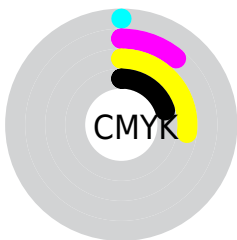
Distribution



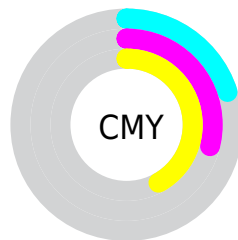
- Red (80%)
- Green (71%)
- Blue (58%)



- Red (73%)
- Yellow (80%)
- Blue (58%)



- Cyan (0%)
- Magenta (11%)
- Yellow (27%)
- Black (20%)





- Cyan (20%)
- Magenta (29%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4978, 47.8824, 34.8085 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 46.4978, 47.8824, 34.8085 by changing the saturation by 10% instead.


 46.4978, 47.8824,
34.8085


 46.4978, 47.8824,
34.8085


363.4889,
378.3258, 338.6008

 32.8451, 33.7338,
23.2330

 84.1868, 87.0293,
68.3372

 22.1665, 22.6891,
14.5588


 108.9539,
112.7963, 91.1275

 14.0966, 14.3641,
8.3671


138.1564,
143.2050, 118.4932

 8.2700, 8.3744,
4.2396

172.1598,
178.6396, 150.8527

 4.3215, 4.3354,
1.7577

211.3293,
219.4846, 188.6247

 1.8856, 1.8629,
0.3998

256.0305,

 0.5684, 0.5259,

266.1243, 232.2277

0.0000

306.6285,
318.9433, 282.0802

■ 0.0000, 0.0000,
0.0000

■ 46.4978, 47.8824,
34.8085

■ 46.4978, 47.8824,
34.8085

■ 43.4272, 44.0910,
26.5408

■ 49.9489, 51.9834,
44.5945

■ 40.7171, 40.5933,
19.7102

■ 53.7921, 56.3959,
55.9680

■ 38.3510, 37.3820,
14.2327

■ 58.0428, 61.1304,
68.9979

■ 36.3093, 34.4464,
10.0141

■ 62.7146, 66.1947,
83.7479

■ 34.5703, 31.7749,
6.9480

■ 67.8204, 71.5963,
100.2783

■ 33.1087, 29.3546,
4.9101

■ 70.8965, 76.3521,
105.6085

■ 31.8908, 27.1690,
3.7328

■ 73.2050, 80.9691,
106.3780

■ 31.5657, 26.5705,
3.4649

■ 75.6200, 85.7992,
107.1830

■ 78.1430, 90.8452,
108.0240

Harmonies

Analogous

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



49.9359, 47.8824, 37.9894



46.4978, 47.8824, 34.8085



42.9680, 47.8824, 35.7619

Triad

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



46.4978, 47.8824, 34.8085



39.3618, 47.8824, 59.9159



51.2016, 47.8824, 65.4091

Complementary

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



46.4978, 47.8824, 34.8085



37.3667, 39.3561, 62.1272

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.



48.1520, 47.8824, 72.8714



46.4978, 47.8824, 34.8085



41.3551, 47.8824, 69.4190

Square

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



46.4978, 47.8824, 34.8085



38.9710, 47.8824, 49.3793



44.5378, 47.8824, 74.4285



52.7440, 47.8824, 54.9930

Rectangle

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



46.4978, 47.8824, 34.8085



41.0258, 47.8824, 38.6785



44.5378, 47.8824, 74.4285



50.3113, 47.8824, 68.4002

Sweetspot

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



46.4990, 47.8846, 34.8095



89.3900, 93.6598, 91.6614



42.4747, 36.7792, 42.8912



18.9161, 19.8003, 18.9692



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.



46.4990, 47.8846, 34.8095



74.5245, 76.0907, 49.2123



49.8587, 56.7882, 36.3510



11.7628, 12.3145, 11.8364



20.1794, 17.0917, 2.2355



1.1140, 1.0278, 0.1397

Inverse Universe

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



37.3667, 39.3561, 62.1272



56.5246, 59.2865, 103.0720



34.6014, 32.3133, 60.9135



10.9638, 11.5680, 14.2254



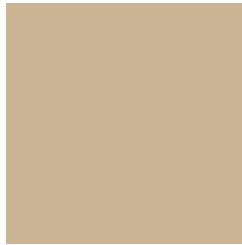
8.8250, 6.6741, 36.7794



0.5289, 0.4917, 1.9220

Previews

White Background



This preview shows how the XYZ color 46.4978, 47.8824, 34.8085 looks on a white background.

Color Contrast Check

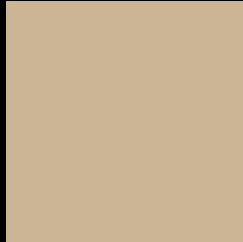
Large Text (above 18pt) WCAG AA × Fail

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 46.4978, 47.8824, 34.8085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

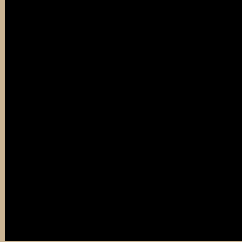
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4978, 47.8824, 34.8085

Background



This preview shows how black text looks on a background with the XYZ color 46.4978, 47.8824, 34.8085.



This preview shows how white text looks on a background with the XYZ color 46.4978, 47.8824,

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

46.4978, 47.8824, 34.8085

Protanopia

45.0710, 48.0530, 35.3334

Deuteranopia

48.8785, 47.9103, 35.1052



Tritanopia

50.5277, 47.7440, 54.6965

Trichromacy



Original Color

46.4978, 47.8824, 34.8085

Protanomaly

45.6470, 48.0427, 35.3011

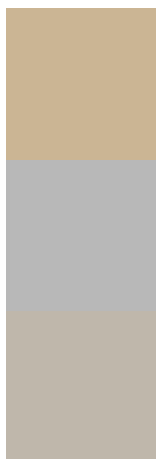
Deuteranomaly

47.9236, 47.7124, 35.1173

Tritanomaly

48.8157, 47.6221, 46.6635

Monochromacy



Original Color

46.4978, 47.8824, 34.8085

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.7700, 47.8836, 45.3582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4978, 47.8824, 34.8085 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, 181, 148)` looks like.

```
.text, #text, p{  
    color:rgb(203, 181, 148)  
}
```

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, 181, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 181, 148) }
```

Border

The CSS property to change the border of an element to XYZ 46.4978, 47.8824, 34.8085 is called "border". The border property can be set on classes, ids or directly on the HTML element.

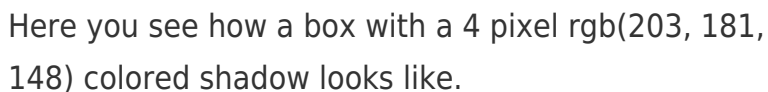
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 181, 148) }
```


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

```
.border{ border-color:rgb(203, 181, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(203, 181, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 181, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 181, 148); box-shadow:4px 4px 4px 4px rgb(203, 181, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4978, 47.8824, 34.8085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 181, 148) }
```

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

```
.background{ background-color: rgb(203,  
181, 148) }
```

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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