

Converting Colors

XYZ(46.3997, 48.4932, 34.1331)

Have a look what the booklet for
XYZ(46.3997, 48.4932, 34.1331)
contains.

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Color

**XYZ(46.4789, 48.4989,
34.1056)**

Conversions

Conversions Part 1

Format	Color
Hex	CAB792
RGB	202, 183, 146
RGB Percent	79%, 72%, 57%
CMY	0.2078, 0.2823, 0.4274
CMYK	0.00, 0.09, 0.28, 0.21
HSL	40°, 35%, 68%
HSV	40°, 28%, 79%
XYZ	46.4789, 48.4989, 34.1056
YIQ	184.4630, 23.2010, -7.4790

Conversions

Conversions Part 2

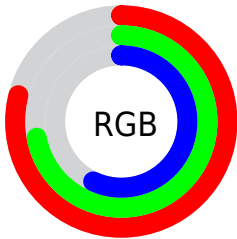
Format	Color
RYB	175, 202, 146
Decimal	13285266
CIELab	75.14, 1.08, 21.31
CIELCh	75, 21.336, 87.092
Yxy	48.4989, 0.3601, 0.3757
Android (android.graphics.Color)	4291475346 (0xFFCAB792)
YUV	184.4630, -18.9623, 15.3799
Hunter-Lab	69.6412, -2.7401, 19.7125

Details

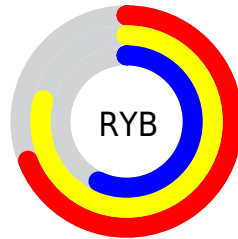
The XYZ color **46.4789, 48.4989, 34.1056** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.9695, 37.2843, 61.1780**, and the grayscale version is **45.9099, 48.3008, 52.5995**.

A 20% lighter version of the original color is **82.5318, 87.1631, 67.1179**, and **22.0808, 22.9945, 14.1011** is the 20% darker color. If you saturate the color by 10%, you get **43.6657, 45.1687, 26.0886**, and if you desaturate by 10%, it is **49.6411, 52.0822, 43.6099**.

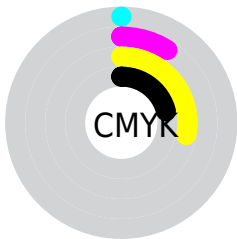
Distribution



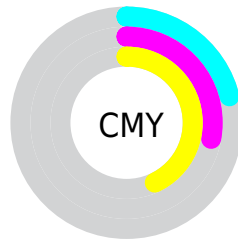
- Red (79%)
- Green (72%)
- Blue (57%)



- Red (69%)
- Yellow (79%)
- Blue (57%)



- Cyan (0%)
- Magenta (9%)
- Yellow (28%)
- Black (21%)





- Cyan (21%)
- Magenta (28%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4789, 48.4989, 34.1056 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 46.4789, 48.4989, 34.1056 by changing the saturation by 10% instead.


 46.4789, 48.4989,
34.1056

 46.4789, 48.4989,
34.1056


363.4144,
380.7663, 335.3862

 32.8301, 34.2221,
22.6967


 84.1587, 87.9468,
67.2336

 22.1549, 23.0643,
14.1665


 108.9205,
113.8866, 89.7898

 14.0880, 14.6410,
8.0965

138.1173,
144.4830, 116.8989

 8.2640, 8.5678,
4.0681

172.1145,
180.1203, 148.9794

 4.3176, 4.4604,
1.6628

211.2775,
221.1829, 186.4498

 1.8833, 1.9343,
0.3350

255.9715,

 0.5671, 0.5689,

268.0551, 229.7288

0.0000

306.5621,
321.1215, 279.2347

■ 0.0000, 0.0000,
0.0000

■ 46.4789, 48.4989,
34.1056

■ 46.4789, 48.4989,
34.1056

■ 43.6657, 45.1687,
26.0886

■ 49.6411, 52.0822,
43.6099

■ 41.1821, 42.0772,
19.4784

■ 53.1631, 55.9193,
54.6700

■ 39.0125, 39.2182,
14.1919

■ 57.0596, 60.0194,
67.3539

■ 37.1382, 36.5827,
10.1355

■ 61.3435, 64.3890,
81.7247

■ 35.5381, 34.1606,
7.2034

■ 66.0270, 69.0343,
97.8419

■ 34.1877, 31.9404,
5.2717

■ 69.0941, 73.1505,
105.0856

■ 33.0522, 29.9064,
4.1626

■ 70.9742, 76.9107,
105.7123

■ 32.8107, 29.4638,
3.9578

■ 72.9294, 80.8210,
106.3640

■ 74.9605, 84.8832,
107.0410

Harmonies

Analogous

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



50.2990, 48.4989, 36.7284



46.4789, 48.4989, 34.1056



42.7601, 48.4989, 35.8782

Triad

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



46.4789, 48.4989, 34.1056



39.7280, 48.4989, 63.2216



52.6944, 48.4989, 65.3771

Complementary

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



46.4789, 48.4989, 34.1056



35.9695, 37.2843, 61.1780

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.



49.6026, 48.4989, 74.3659



46.4789, 48.4989, 34.1056



42.1353, 48.4989, 73.0030

Square

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



46.4789, 48.4989, 34.1056



38.9950, 48.4989, 51.7231



45.7167, 48.4989, 77.3350



54.0122, 48.4989, 53.9060

Rectangle

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



46.4789, 48.4989, 34.1056



40.8114, 48.4989, 39.4741



45.7167, 48.4989, 77.3350



51.8198, 48.4989, 68.8477

Sweetspot

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



46.4802, 48.5011, 34.1066



89.7697, 94.4193, 91.7880



41.4826, 35.8533, 40.6188



19.0119, 19.9920, 19.0011



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.



46.4802, 48.5011, 34.1066



75.8970, 78.8357, 49.6698



48.4547, 55.7330, 35.3984



11.8209, 12.4308, 11.8558



21.1986, 19.1301, 2.5752



1.1621, 1.1239, 0.1557

Inverse Universe

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



35.9695, 37.2843, 61.1780



55.3261, 56.8894, 102.6725



34.3427, 31.7320, 60.1920



10.9076, 11.4556, 14.2066



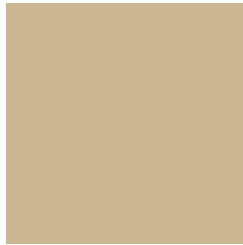
8.2850, 5.5940, 36.5994



0.4975, 0.4288, 1.9115

Previews

White Background



This preview shows how the XYZ color 46.4789, 48.4989, 34.1056 looks on a white background.

Color Contrast Check

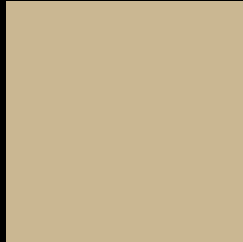
Large Text (above 18pt) WCAG AA × Fail

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 46.4789, 48.4989, 34.1056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

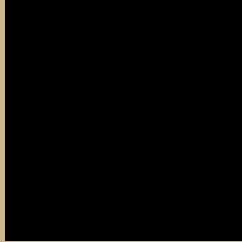
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4789, 48.4989, 34.1056

Background



This preview shows how black text looks on a background with the XYZ color 46.4789, 48.4989, 34.1056.



This preview shows how white text looks on a background with the XYZ color 46.4789, 48.4989,

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

46.4789, 48.4989, 34.1056

Protanopia

45.6414, 48.6748, 34.5934

Deuteranopia

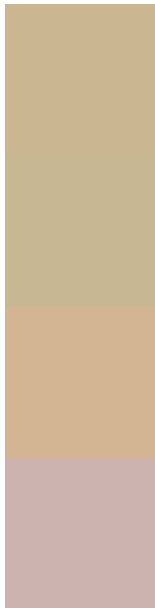
49.5058, 48.5463, 34.3649



Tritanopia

50.8582, 48.4713, 55.9656

Trichromacy



Original Color

46.4789, 48.4989, 34.1056

Protanomaly

45.9601, 48.5297, 34.5486

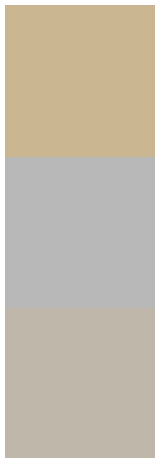
Deuteranomaly

48.4517, 48.5980, 34.4304

Tritanomaly

49.0348, 48.3145, 47.2987

Monochromacy



Original Color

46.4789, 48.4989, 34.1056

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.8820, 48.2596, 44.9270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4789, 48.4989, 34.1056 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(202, 183, 146) looks like.

```
.text, #text, p{  
    color:rgb(202, 183, 146)  
}
```

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(202, 183, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 183, 146) }
```

Border

The CSS property to change the border of an element to XYZ 46.4789, 48.4989, 34.1056 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(202, 183, 146) }
```


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

```
.border{ border-color:rgb(202, 183, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 183, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 183, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 183, 146); box-shadow:4px 4px 4px 4px rgb(202, 183, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4789, 48.4989, 34.1056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 183, 146) }
```

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

```
.background{ background-color: rgb(202,  
183, 146) }
```

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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