

Converting Colors

XYZ(45.8724, 46.2321, 35.0397)

Have a look what the booklet for
XYZ(45.8724, 46.2321, 35.0397)
contains.

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Color

**XYZ(46.0488, 46.4516,
34.9728)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB195
RGB	204, 177, 149
RGB Percent	80%, 69%, 58%
CMY	0.2000, 0.3059, 0.4157
CMYK	0.00, 0.13, 0.27, 0.20
HSL	31°, 35%, 69%
HSV	31°, 27%, 80%
XYZ	46.0488, 46.4516, 34.9728
YIQ	181.8810, 25.0800, -2.9840

Conversions

Conversions Part 2

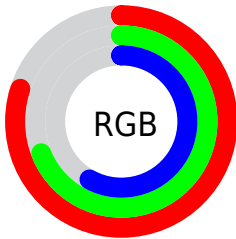
Format	Color
RYB	202, 204, 149
Decimal	13414805
CIE Lab	73.84, 5.47, 17.92
CIE LCh	74, 18.741, 73.026
Yxy	46.4516, 0.3612, 0.3644
Android (android.graphics.Color)	4291604885 (0xFFCCB195)
YUV	181.8810, -16.2103, 19.3984
Hunter-Lab	68.1554, 1.3305, 17.2851

Details

The XYZ color **46.0488, 46.4516, 34.9728** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.8185, 41.7987, 63.1489**, and the grayscale version is **44.4755, 46.7917, 50.9562**.

A 20% lighter version of the original color is **81.1584, 83.8496, 68.4070**, and **21.8067, 21.6867, 14.5919** is the 20% darker color. If you saturate the color by 10%, you get **42.6552, 42.0464, 26.4979**, and if you desaturate by 10%, it is **49.8753, 51.2654, 45.0006**.

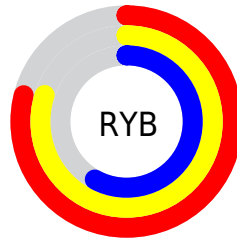
Distribution



Red (80%)

Green (69%)

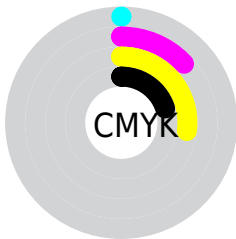
Blue (58%)



Red (79%)

Yellow (80%)

Blue (58%)

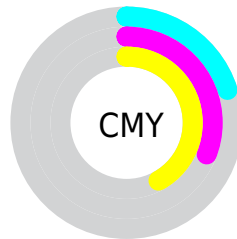


Cyan (0%)

Magenta (13%)

Yellow (27%)

Black (20%)



Cyan (20%)


Magenta (31%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0488, 46.4516, 34.9728 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 46.0488, 46.4516, 34.9728 by changing the saturation by 10% instead.


 46.0488, 46.4516,
34.9728


 46.0488, 46.4516,
34.9728


361.7175,
372.6213, 339.3489

 32.4891, 32.6023,
23.3585


 83.5194, 84.8945,
68.5947

 21.8927, 21.8220,
14.6507


 108.1611,
110.2568, 91.4395

 13.8943, 13.7262,
8.4307


137.2275,
140.2257, 118.8648

 8.1284, 7.9304,
4.2801

171.0839,
175.1855, 151.2892

 4.2297, 4.0505,
1.7802

210.0958,
215.5205, 189.1313

 1.8329, 1.7018,
0.4149

254.6284,

 0.5374, 0.4248,

261.6152, 232.8096

0.0000

305.0472,
313.8540, 282.7426

■ 0.0000, 0.0000,
0.0000

■ 46.0488, 46.4516,
34.9728

■ 46.0488, 46.4516,
34.9728

■ 42.6552, 42.0464,
26.4979

■ 49.8753, 51.2654,
45.0006

■ 39.6729, 38.0314,
19.4934

■ 54.1478, 56.4931,
56.6519

■ 37.0836, 34.3957,
13.8740

■ 58.8834, 62.1476,
69.9967

■ 34.8662, 31.1256,
9.5437

■ 64.0970, 68.2395,
85.0999

■ 32.9967, 28.2060,
6.3947

■ 69.8030, 74.7790,
102.0229

■ 31.4480, 25.6204,
4.3006

■ 73.2601, 80.6738,
106.3181

■ 30.1847, 23.3486,
3.0939

■ 76.2420, 86.6376,
107.3121

■ 29.8392, 22.7120,
2.8112

■ 78.7119, 91.5774,
108.1354

Harmonies

Analogous

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



49.0047, 46.4516, 39.0571



46.0488, 46.4516, 34.9728



42.7217, 46.4516, 34.7175

Triad

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



46.0488, 46.4516, 34.9728



38.1954, 46.4516, 54.8296



48.6707, 46.4516, 65.2207

Complementary

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



46.0488, 46.4516, 34.9728



38.8185, 41.7987, 63.1489

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.



45.6115, 46.4516, 70.6550



46.0488, 46.4516, 34.9728



39.6285, 46.4516, 64.1669

Square

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



46.0488, 46.4516, 34.9728



38.2993, 46.4516, 45.4055



42.3058, 46.4516, 70.2467



50.5700, 46.4516, 56.1289

Rectangle

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



46.0488, 46.4516, 34.9728



40.7485, 46.4516, 36.6944



42.3058, 46.4516, 70.2467



47.7375, 46.4516, 67.5841

Sweetspot

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



46.0500, 46.4537, 34.9738



88.8261, 92.5321, 91.4734



43.5357, 37.4872, 46.2758



18.7740, 19.5162, 18.9218



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.



46.0500, 46.4537, 34.9738



73.1089, 72.8672, 49.9499



51.9198, 58.1932, 36.9303



11.6766, 12.1422, 11.8077



18.8746, 14.4821, 1.8005



1.0496, 0.8988, 0.1182

Inverse Universe

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



38.8185, 41.7987, 63.1489



59.2802, 63.9660, 103.8300



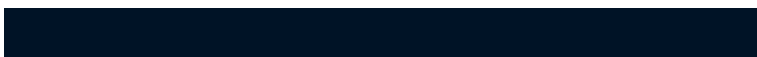
34.0415, 32.2447, 61.5566



11.0488, 11.7380, 14.2537



9.8289, 8.6818, 37.1140



0.5830, 0.5997, 1.9400

Previews

White Background



This preview shows how the XYZ color 46.0488, 46.4516, 34.9728 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 46.0488, 46.4516, 34.9728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

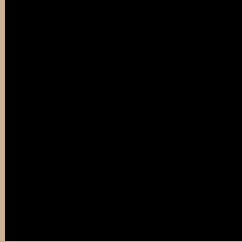
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0488, 46.4516, 34.9728

Background



This preview shows how black text looks on a background with the XYZ color 46.0488, 46.4516, 34.9728.



This preview shows how white text looks on a background with the XYZ color 46.0488, 46.4516,

34.9728.

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

46.0488, 46.4516, 34.9728

Protanopia

43.8480, 46.4886, 35.9403

Deuteranopia

47.3331, 46.5315, 34.9205



Tritanopia

49.5219, 46.4177, 52.2484

Trichromacy



Original Color

46.0488, 46.4516, 34.9728

Protanomaly

44.5912, 46.5803, 35.4948

Deuteranomaly

46.9626, 46.6305, 34.9592

Tritanomaly

48.3146, 46.5161, 45.4618

Monochromacy



Original Color

46.0488, 46.4516, 34.9728

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.8122, 46.4919, 44.6422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0488, 46.4516, 34.9728 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, 177, 149)` looks like.

```
.text, #text, p{  
    color:rgb(204, 177, 149)  
}
```

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, 177, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 177, 149) }
```

Border

The CSS property to change the border of an element to XYZ 46.0488, 46.4516, 34.9728 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, 177, 149) }
```


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

```
.border{ border-color:rgb(204, 177, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 177, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 177, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 177, 149);  
box-shadow:4px 4px 4px 4px rgb(204, 177,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0488, 46.4516, 34.9728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 177, 149) }
```

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

```
.background{ background-color: rgb(204,  
177, 149) }
```

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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