

Converting Colors

XYZ(46.8310, 48.7664, 30.2371)

Have a look what the booklet for
XYZ(46.8310, 48.7664, 30.2371)
contains.

XYZ(46.8310, 48.7664, 30.2371)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.8310, 48.7664,
30.2371)**

Conversions

Conversions Part 1

Format	Color
Hex	CEB788
RGB	206, 183, 136
RGB Percent	81%, 72%, 53%
CMY	0.1922, 0.2823, 0.4667
CMYK	0.00, 0.11, 0.34, 0.19
HSL	40°, 42%, 67%
HSV	40°, 34%, 81%
XYZ	46.8310, 48.7664, 30.2371
YIQ	184.5190, 28.7950, -9.7410

Conversions

Conversions Part 2

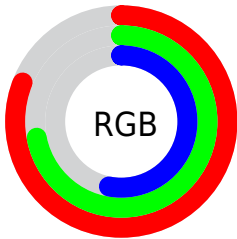
Format	Color
RYB	170, 206, 136
Decimal	13547400
CIELab	75.31, 1.35, 26.94
CIELCh	75, 26.974, 87.123
Yxy	48.7664, 0.3722, 0.3875
Android (android.graphics.Color)	4291737480 (0xFFCEB788)
YUV	184.5190, -23.9199, 18.8388
Hunter-Lab	69.8329, -2.5029, 23.2110

Details

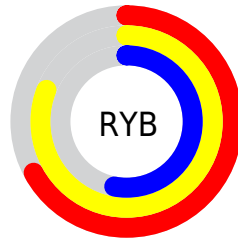
The XYZ color **46.8310, 48.7664, 30.2371** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.6916, 34.4855, 63.2731**, and the grayscale version is **45.9654, 48.3592, 52.6631**.

A 20% lighter version of the original color is **81.4008, 86.7107, 61.1618**, and **22.4248, 23.2165, 12.1034** is the 20% darker color. If you saturate the color by 10%, you get **44.1434, 45.5131, 22.7994**, and if you desaturate by 10%, it is **49.8696, 52.2710, 39.1811**.

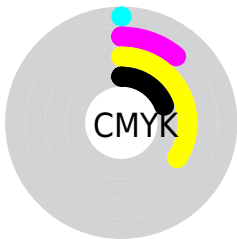
Distribution



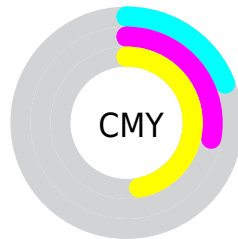
- Red (81%)
- Green (72%)
- Blue (53%)



- Red (67%)
- Yellow (81%)
- Blue (53%)



- Cyan (0%)
- Magenta (11%)
- Yellow (34%)
- Black (19%)



- Cyan (19%)
- Magenta (28%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8310, 48.7664, 30.2371 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 46.8310, 48.7664, 30.2371 by changing the saturation by 10% instead.

■ 46.8310, 48.7664,
30.2371

■ 46.8310, 48.7664,
30.2371

364.7997,
381.8220, 317.2497

■ 33.1095, 34.4342,
19.7650

■ 84.6816, 88.3444,
61.1024

■ 22.3699, 23.2274,
12.0420

■ 109.5413,
114.3590, 82.3327

■ 14.2471, 14.7615,
6.6494

■ 138.8445,
145.0366, 107.9861

■ 8.3756, 8.6522,
3.1687

172.9565,
180.7614, 138.4813

■ 4.3900, 4.5150,
1.1814

212.2427,
221.9180, 174.2367

■ 1.9251, 1.9656,
0.0000

257.0684,

■ 0.5913, 0.5874,

268.8907, 215.6708

0.0000

307.7990,
322.0639, 263.2023

■ 0.0000, 0.0000,
0.0000

■ 46.8310, 48.7664,
30.2371

■ 46.8310, 48.7664,
30.2371

■ 44.1434, 45.5131,
22.7994

■ 49.8696, 52.2710,
39.1811

■ 41.7859, 42.4960,
16.7794

■ 53.2714, 56.0279,
49.7072

■ 39.7411, 39.7084,
12.0841


■ 57.0522, 60.0468,
61.8894


■ 37.9880, 37.1402,
8.6078


■ 61.2259, 64.3345,
75.7963


■ 36.5025, 34.7803,
6.2283


■ 65.8057, 68.8977,
91.4928


 35.2555, 32.6154,
4.7981

 70.0540, 73.4427,
105.0914

 34.5893, 31.3933,
4.2365

 71.9049, 77.1445,
105.7083

 73.8290, 80.9926,
106.3497

 75.8270, 84.9886,
107.0157

Harmonies

Analogous

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



51.7194, 48.7664, 33.3158



46.8310, 48.7664, 30.2371



42.1404, 48.7664, 32.3218

Triad

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



46.8310, 48.7664, 30.2371



38.3755, 48.7664, 66.5393



54.8246, 48.7664, 69.3357

Complementary

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



46.8310, 48.7664, 30.2371



33.6916, 34.4855, 63.2731

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.



50.8331, 48.7664, 81.2843



46.8310, 48.7664, 30.2371



41.3676, 48.7664, 79.4782

Square

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



46.8310, 48.7664, 30.2371



37.4692, 48.7664, 51.7401



45.8743, 48.7664, 85.2896



56.5359, 48.7664, 54.4801

Rectangle

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



46.8310, 48.7664, 30.2371



39.7118, 48.7664, 36.6075



45.8743, 48.7664, 85.2896



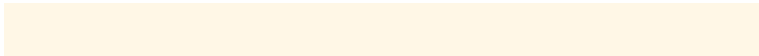
53.6917, 48.7664, 73.9197

Sweetspot

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



46.8322, 48.7686, 30.2381



88.5985, 93.2364, 87.8221



40.5450, 33.2454, 37.2333



18.7807, 19.7606, 18.2120



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.



46.8322, 48.7686, 30.2381



72.5469, 75.0076, 39.6988



48.8492, 57.4337, 31.8043



11.8312, 12.4514, 11.8592



21.3909, 19.5147, 2.6393



1.1710, 1.1417, 0.1587

Inverse Universe

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



33.6916, 34.4855, 63.2731



48.0167, 48.3589, 101.4112



32.0977, 28.3300, 62.1690



10.8977, 11.4359, 14.2034



8.2002, 5.4243, 36.5711



0.4923, 0.4184, 1.9098

Previews

White Background



This preview shows how the XYZ color 46.8310, 48.7664, 30.2371 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 46.8310, 48.7664, 30.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

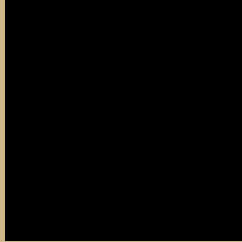
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8310, 48.7664, 30.2371

Background



This preview shows how black text looks on a background with the XYZ color 46.8310, 48.7664, 30.2371.



This preview shows how white text looks on a background with the XYZ color 46.8310, 48.7664,

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

46.8310, 48.7664, 30.2371

Protanopia

45.4175, 48.6462, 30.6628

Deuteranopia

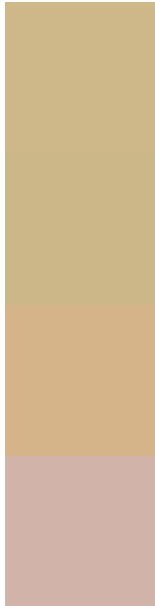
49.6492, 48.7070, 30.4515



Tritanopia

51.9710, 48.7654, 55.3887

Trichromacy



Original Color

46.8310, 48.7664, 30.2371

Protanomaly

46.0130, 48.6437, 30.6309

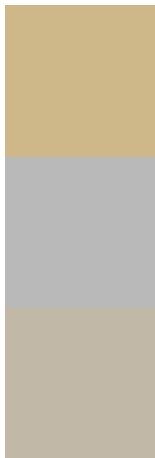
Deuteranomaly

48.5682, 48.7448, 30.5158

Tritanomaly

49.9541, 48.8441, 44.8252

Monochromacy



Original Color

46.8310, 48.7664, 30.2371

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.1079, 48.4085, 43.4728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8310, 48.7664, 30.2371 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(206, 183, 136)` looks like.

```
.text, #text, p{  
    color:rgb(206, 183, 136)  
}
```

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(206, 183, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 183, 136) }
```

Border

The CSS property to change the border of an element to XYZ 46.8310, 48.7664, 30.2371 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(206, 183, 136) }
```


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

```
.border{ border-color:rgb(206, 183, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 183, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 183, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 183, 136);  
box-shadow:4px 4px 4px 4px rgb(206, 183,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8310, 48.7664, 30.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 183, 136) }
```

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

```
.background{ background-color: rgb(206,  
183, 136) }
```

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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