

Converting Colors

XYZ(48.9225, 51.7298, 33.1079)

Have a look what the booklet for
XYZ(48.9225, 51.7298, 33.1079)
contains.

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Color

**XYZ(48.8122, 51.6136,
32.9809)**

Conversions

Conversions Part 1

Format	Color
Hex	CFBD8E
RGB	207, 189, 142
RGB Percent	81%, 74%, 56%
CMY	0.1882, 0.2588, 0.4431
CMYK	0.00, 0.09, 0.31, 0.19
HSL	43°, 40%, 68%
HSV	43°, 31%, 81%
XYZ	48.8122, 51.6136, 32.9809
YIQ	189.0240, 25.8150, -10.8010

Conversions

Conversions Part 2

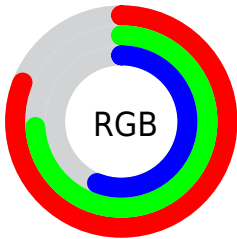
Format	Color
R _Y B	167, 207, 142
Decimal	13614478
CIE Lab	77.05, -0.67, 26.11
CIE LCh	77, 26.121, 91.467
Yxy	51.6136, 0.3659, 0.3869
Android (android.graphics.Color)	4291804558 (0xFFCFBD8E)
YUV	189.0240, -23.1828, 15.7650
Hunter-Lab	71.8426, -4.4459, 23.0715

Details

The XYZ color **48.8122, 51.6136, 32.9809** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.9883, 35.3963, 64.0196**, and the grayscale version is **48.5027, 51.0286, 55.5702**.

A 20% lighter version of the original color is **83.8562, 90.5503, 65.2828**, and **23.6414, 25.0390, 13.4845** is the 20% darker color. If you saturate the color by 10%, you get **46.1921, 48.6337, 25.1390**, and if you desaturate by 10%, it is **51.7723, 54.8111, 42.3613**.

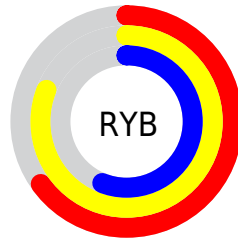
Distribution



Red (81%)

Green (74%)

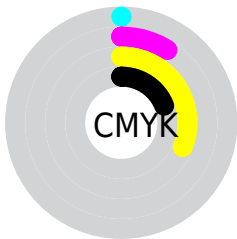
Blue (56%)



Red (65%)

Yellow (81%)

Blue (56%)

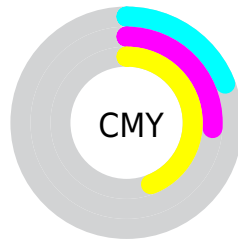


Cyan (0%)

Magenta (9%)

Yellow (31%)

Black (19%)



Cyan (19%)


Magenta (26%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8122, 51.6136, 32.9809 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 48.8122, 51.6136, 32.9809 by changing the saturation by 10% instead.


 48.8122, 51.6136,
32.9809


 48.8122, 51.6136,
32.9809


372.5318,
392.9431, 330.1930

 34.6844, 36.6972,
21.8408


 87.6149, 92.5611,
65.4614

 23.5853, 24.9731,
13.5428


 113.0205,
119.3610, 87.6388

 15.1493, 16.0570,
7.6683


142.9161,
150.8909, 114.3325

 9.0113, 9.5645,
3.7987

177.6671,
187.5351, 145.9610

 4.8057, 5.1112,
1.5156

217.6388,
229.6780, 182.9427

 2.1673, 2.3126,
0.2295

263.1966,

 0.7254, 0.7804,

277.7040, 225.6963

0.0000

314.7058,
331.9976, 274.6402

■ 0.0000, 0.0000,
0.0000

■ 48.8122, 51.6136,
32.9809

■ 48.8122, 51.6136,
32.9809

■ 46.1921, 48.6337,
25.1390

■ 51.7723, 54.8111,
42.3613

■ 43.8914, 45.8568,
18.7477

■ 55.0839, 58.2262,
53.3548

■ 41.8935, 43.2771,
13.7157


■ 58.7624, 61.8678,
66.0353


■ 40.1780, 40.8856,
9.9393


■ 62.8213, 65.7420,
80.4709

■ 38.7220, 38.6723,
7.3001


■ 67.2734, 69.8549,
96.7260


 37.4980, 36.6251,
5.6568

 70.2742, 73.4694,
105.0849

 36.5895, 34.9800,
4.8234

 71.8349, 76.5909,
105.6052

 73.4480, 79.8171,
106.1429

 75.1140, 83.1490,
106.6982

Harmonies

Analogous

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



53.7795, 51.6136, 35.3670



48.8122, 51.6136, 32.9809



44.2219, 51.6136, 35.8856

Triad

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



48.8122, 51.6136, 32.9809



41.3275, 51.6136, 71.7804



57.9691, 51.6136, 70.3570

Complementary

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



48.8122, 51.6136, 32.9809



34.9883, 35.3963, 64.0196

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.



54.2327, 51.6136, 83.0145



48.8122, 51.6136, 32.9809



44.6197, 51.6136, 83.9294

Square

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



48.8122, 51.6136, 32.9809



40.0856, 51.6136, 56.9041



49.3030, 51.6136, 88.3492



59.2765, 51.6136, 55.4986

Rectangle

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



48.8122, 51.6136, 32.9809



41.9348, 51.6136, 40.7734



49.3030, 51.6136, 88.3492



56.9435, 51.6136, 75.0926

Sweetspot

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



48.8135, 51.6160, 32.9820



89.5791, 94.6220, 89.9237



41.7872, 35.1646, 38.0347



18.9943, 20.0730, 18.6367



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.



48.8135, 51.6160, 32.9820



75.2113, 79.3143, 43.7380



49.1667, 57.9053, 34.1773



12.5152, 13.2211, 12.5043



23.1359, 22.2049, 3.0666



1.3583, 1.3710, 0.1930

Inverse Universe

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



34.9883, 35.3963, 64.0196



49.5039, 49.1665, 101.4887



34.6624, 30.9279, 63.1743



11.4263, 11.9428, 14.9466



8.0962, 4.8390, 37.6998



0.5198, 0.4049, 2.1303

Previews

White Background



This preview shows how the XYZ color 48.8122, 51.6136, 32.9809 looks on a white background.

Color Contrast Check

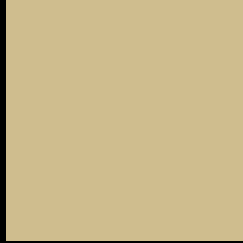
Large Text (above 18pt) WCAG AA × Fail

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 48.8122, 51.6136, 32.9809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

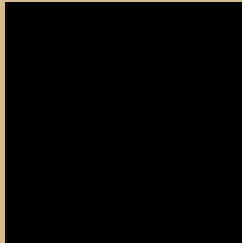
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8122, 51.6136, 32.9809

Background



This preview shows how black text looks on a background with the XYZ color 48.8122, 51.6136, 32.9809.



This preview shows how white text looks on a background with the XYZ color 48.8122, 51.6136,

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

48.8122, 51.6136, 32.9809

Protanopia

48.1978, 51.6173, 33.0140

Deuteranopia

52.4263, 51.2864, 33.1227



Tritanopia

54.1323, 51.5876, 59.3289

Trichromacy



Original Color

48.8122, 51.6136, 32.9809

Protanomaly

48.4728, 51.7590, 33.0269

Deuteranomaly

51.2203, 51.5865, 33.2442

Tritanomaly

52.0494, 51.6814, 48.3065

Monochromacy



Original Color

48.8122, 51.6136, 32.9809

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.4089, 51.1095, 46.3434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8122, 51.6136, 32.9809 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, 189, 142)` looks like.

```
.text, #text, p{  
    color:rgb(207, 189, 142)  
}
```

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, 189, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 189, 142) }
```

Border

The CSS property to change the border of an element to XYZ 48.8122, 51.6136, 32.9809 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, 189, 142) }
```


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

```
.border{ border-color:rgb(207, 189, 142) }
```

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

Here you see how a box with a 4 pixel rgb(207, 189, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 189, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 189, 142);  
box-shadow:4px 4px 4px 4px rgb(207, 189,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8122, 51.6136, 32.9809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 189, 142) }
```

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

```
.background{ background-color: rgb(207,  
189, 142) }
```

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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