

Converting Colors

XYZ(46.4625, 49.9071, 35.9940)

Have a look what the booklet for
XYZ(46.4625, 49.9071, 35.9940)
contains.

XYZ(46.5142, 50.0388, 36.0610)	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(46.5142, 50.0388,
36.0610)**

Conversions

Conversions Part 1

Format	Color
Hex	C5BC96
RGB	197, 188, 150
RGB Percent	77%, 74%, 59%
CMY	0.2274, 0.2627, 0.4118
CMYK	0.00, 0.05, 0.24, 0.23
HSL	49°, 29%, 68%
HSV	49°, 24%, 77%
XYZ	46.5142, 50.0388, 36.0610
YIQ	186.3590, 17.5620, -9.9100

Conversions

Conversions Part 2

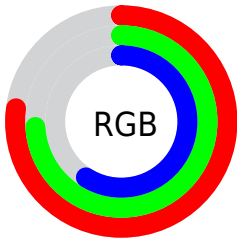
Format	Color
RYB	161, 197, 150
Decimal	12958870
CIELab	76.09, -2.93, 20.41
CIELCh	76, 20.616, 98.177
Yxy	50.0388, 0.3507, 0.3773
Android (android.graphics.Color)	4291148950 (0xFFC5BC96)
YUV	186.3590, -17.9250, 9.3322
Hunter-Lab	70.7381, -6.4181, 19.2917

Details

The XYZ color **46.5142, 50.0388, 36.0610** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.0536, 35.3106, 57.7916**, and the grayscale version is **46.9651, 49.4109, 53.8085**.

A 20% lighter version of the original color is **84.1228, 90.1318, 70.0902**, and **22.2438, 24.0684, 15.2777** is the 20% darker color. If you saturate the color by 10%, you get **44.2649, 47.8687, 28.1319**, and if you desaturate by 10%, it is **49.0539, 52.3621, 45.4038**.

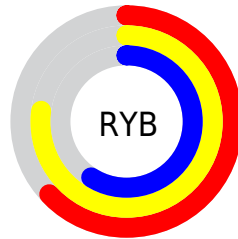
Distribution



Red (77%)

Green (74%)

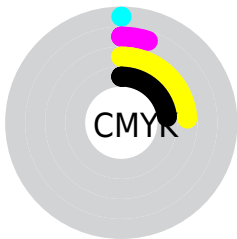
Blue (59%)



Red (63%)

Yellow (77%)

Blue (59%)

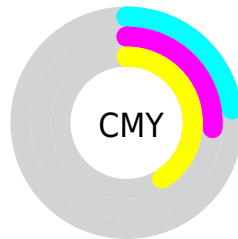


Cyan (0%)

Magenta (5%)

Yellow (24%)

Black (23%)



Cyan (23%)

Magenta (26%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5142, 50.0388, 36.0610 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 46.5142, 50.0388, 36.0610 by changing the saturation by 10% instead.

■ 46.5142, 50.0388,
36.0610

■ 46.5142, 50.0388,
36.0610

363.5534,
386.8177, 344.2726

■ 32.8581, 35.4442,
24.1912

■ 84.2112, 90.2324,
70.2963

■ 22.1765, 24.0053,
15.2620

■ 108.9828,
116.6001, 93.4989

■ 14.1040, 15.3375,
8.8548

138.1903,
147.6611, 121.3163

■ 8.2752, 9.0566,
4.5511

172.1990,
183.7997, 154.1669

■ 4.3248, 4.7781,
1.9323

211.3743,
225.4002, 192.4693

■ 1.8875, 2.1177,
0.5132

256.0816,

■ 0.5696, 0.6745,

272.8471, 236.6420

0.0000

306.6862,
326.5248, 287.1036

■ 0.0000, 0.0000,
0.0000

■ 46.5142, 50.0388,
36.0610

■ 46.5142, 50.0388,
36.0610

■ 44.2649, 47.8687,
28.1319

■ 49.0539, 52.3621,
45.4038

■ 42.2885, 45.8396,
21.5432

■ 51.8927, 54.8373,
56.2226

■ 40.5718, 43.9474,
16.2196

■ 55.0436, 57.4715,
68.5796

■ 39.0987, 42.1856,
12.0771

■ 58.5177, 60.2693,
82.5325

■ 37.8511, 40.5467,
9.0216

■ 62.3256, 63.2354,
98.1363

■ 36.8083, 39.0220,
6.9444

■ 64.2779, 65.4941,
103.8616

■ 35.9451, 37.6013,
5.7144

■ 65.2235, 67.3853,
104.1768

■ 35.4751, 36.7686,
5.2273

■ 66.1912, 69.3207,
104.4993

■ 67.1811, 71.3006,
104.8293

Harmonies

Analogous

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



50.3687, 50.0388, 37.0614



46.5142, 50.0388, 36.0610



43.1256, 50.0388, 39.4453

Triad

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



46.5142, 50.0388, 36.0610



41.9696, 50.0388, 68.6821



54.7767, 50.0388, 62.7601

Complementary

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



46.5142, 50.0388, 36.0610



35.0536, 35.3106, 57.7916

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.



52.2892, 50.0388, 72.9278



46.5142, 50.0388, 36.0610



44.8585, 50.0388, 76.6557

Square

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



46.5142, 50.0388, 36.0610



40.5960, 50.0388, 57.5582



48.6221, 50.0388, 78.3062



55.2789, 50.0388, 51.5207

Rectangle

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



46.5142, 50.0388, 36.0610



41.5377, 50.0388, 44.0417



48.6221, 50.0388, 78.3062



54.1387, 50.0388, 66.4582

Sweetspot

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



46.5155, 50.0410, 36.0621



91.2278, 96.7428, 94.1007



40.2255, 36.2007, 37.8511



19.4588, 20.6483, 19.8822



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.



46.5155, 50.0410, 36.0621



80.9955, 87.4180, 56.3474



44.9763, 52.1898, 36.5579



11.3447, 12.0586, 11.2924



23.3917, 24.3006, 3.4576



1.1532, 1.2419, 0.1789

Inverse Universe

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



35.0536, 35.3106, 57.7916



56.6785, 56.1713, 102.4626



36.3154, 33.7477, 57.4235



10.2183, 10.6106, 13.4270



7.1250, 3.6438, 35.0722



0.3880, 0.2739, 1.6776

Previews

White Background



This preview shows how the XYZ color 46.5142, 50.0388, 36.0610 looks on a white background.

Color Contrast Check

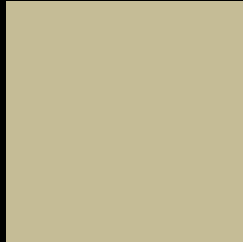
Large Text (above 18pt) WCAG AA × Fail

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 46.5142, 50.0388, 36.0610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

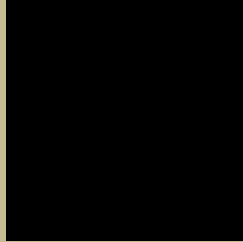
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5142, 50.0388, 36.0610

Background



This preview shows how black text looks on a background with the XYZ color 46.5142, 50.0388, 36.0610.



This preview shows how white text looks on a background with the XYZ color 46.5142, 50.0388,

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

46.5142, 50.0388, 36.0610

Protanopia

46.8285, 49.8848, 36.0148

Deuteranopia

50.9022, 49.8149, 36.6382



Tritanopia

51.3204, 50.1379, 59.1973

Trichromacy



Original Color

46.5142, 50.0388, 36.0610

Protanomaly

46.5640, 49.7484, 36.0024

Deuteranomaly

49.0977, 49.8030, 36.3034

Tritanomaly

49.3646, 49.9532, 49.6880

Monochromacy



Original Color

46.5142, 50.0388, 36.0610

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.5484, 49.5049, 46.6372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5142, 50.0388, 36.0610 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(197, 188, 150)` looks like.

```
.text, #text, p{  
    color:rgb(197, 188, 150)  
}
```

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(197, 188, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 188, 150) }
```

Border

The CSS property to change the border of an element to XYZ 46.5142, 50.0388, 36.0610 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(197, 188, 150) }
```


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

```
.border{ border-color:rgb(197, 188, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 188, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 188, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 188, 150);  
box-shadow:4px 4px 4px 4px rgb(197, 188,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5142, 50.0388, 36.0610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 188, 150) }
```

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

```
.background{ background-color: rgb(197,  
188, 150) }
```

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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