

Converting Colors

XYZ(45.4099, 48.8580, 35.0542)

Have a look what the booklet for
XYZ(45.4099, 48.8580, 35.0542)
contains.

XYZ(45.4099, 48.8580, 35.0542)	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(45.4099, 48.8580,
35.0542)**

Conversions

Conversions Part 1

Format	Color
Hex	C3BA94
RGB	195, 186, 148
RGB Percent	76%, 73%, 58%
CMY	0.2353, 0.2706, 0.4196
CMYK	0.00, 0.05, 0.24, 0.24
HSL	49°, 28%, 67%
HSV	49°, 24%, 76%
XYZ	45.4099, 48.8580, 35.0542
YIQ	184.3590, 17.5620, -9.9100

Conversions

Conversions Part 2

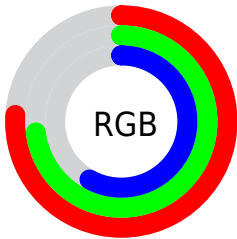
Format	Color
R_{YB}	159, 195, 148
Decimal	12827284
CIE Lab	75.36, -2.93, 20.45
CIE LCh	75, 20.656, 98.149
Yxy	48.8580, 0.3511, 0.3778
Android (android.graphics.Color)	4291017364 (0xFFC3BA94)
YUV	184.3590, -17.9250, 9.3322
Hunter-Lab	69.8985, -6.3590, 19.1949

Details

The XYZ color **45.4099, 48.8580, 35.0542** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.1200, 34.3493, 56.4618**, and the grayscale version is **45.8488, 48.2365, 52.5296**.

A 20% lighter version of the original color is **82.5577, 88.4640, 68.6011**, and **21.5297, 23.3008, 14.6720** is the 20% darker color. If you saturate the color by 10%, you get **43.2190, 46.7415, 27.3398**, and if you desaturate by 10%, it is **47.8839, 51.1240, 44.1471**.

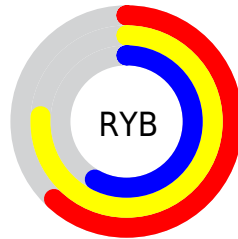
Distribution



Red (76%)

Green (73%)

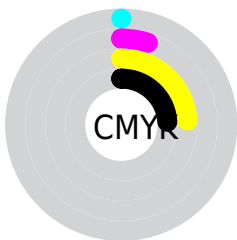
Blue (58%)



Red (62%)

Yellow (76%)

Blue (58%)

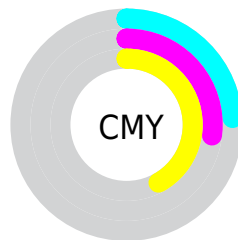


Cyan (0%)

Magenta (5%)

Yellow (24%)

Black (24%)



Cyan (24%)


Magenta (27%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4099, 48.8580, 35.0542 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 45.4099, 48.8580, 35.0542 by changing the saturation by 10% instead.


 45.4099, 48.8580,
35.0542


 45.4099, 48.8580,
35.0542


359.1870,
382.1830, 339.7190

 31.9831, 34.5069,
23.4207


 82.5685, 88.4805,
68.7222

 21.5040, 23.2832,
14.6963


 107.0309,
114.5207, 91.5939

 13.6075, 14.8028,
8.4623


135.9025,
145.2260, 119.0487

 7.9281, 8.6811,
4.3001

169.5488,
180.9808, 151.5053

 4.1004, 4.5338,
1.7914

208.3350,
222.1695, 189.3820

 1.7591, 1.9764,
0.4223

252.6266,

 0.4928, 0.5937,

269.1765, 233.0975

0.0000

302.7888,
322.3862, 283.0703

■ 0.0000, 0.0000,
0.0000

■ 45.4099, 48.8580,
35.0542

■ 45.4099, 48.8580,
35.0542

■ 43.2190, 46.7415,
27.3398

■ 47.8839, 51.1240,
44.1471

■ 41.2943, 44.7625,
20.9320

■ 50.6496, 53.5380,
54.6791

■ 39.6227, 42.9171,
15.7575

■ 53.7196, 56.1071,
66.7111

■ 38.1885, 41.1987,
11.7340

■ 57.1049, 58.8359,
80.2996

■ 36.9741, 39.6001,
8.7695

■ 60.8157, 61.7288,
95.4981

■ 35.9590, 38.1129,
6.7577

■ 63.2091, 64.1287,
103.6543

■ 35.1189, 36.7269,
5.5701

■ 64.1322, 65.9749,
103.9620

■ 34.6776, 35.9458,
5.1105

■ 65.0768, 67.8641,
104.2769

■ 66.0431, 69.7968,
104.5990

Harmonies

Analogous

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



49.2113, 48.8580, 36.0418



45.4099, 48.8580, 35.0542



42.0688, 48.8580, 38.3790

Triad

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



45.4099, 48.8580, 35.0542



40.9252, 48.8580, 67.2010



53.5561, 48.8580, 61.3736

Complementary

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



45.4099, 48.8580, 35.0542



34.1200, 34.3493, 56.4618

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.



51.0998, 48.8580, 71.4115



45.4099, 48.8580, 35.0542



43.7710, 48.8580, 75.0826

Square

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



45.4099, 48.8580, 35.0542



39.5735, 48.8580, 56.2201



47.4816, 48.8580, 76.7203



54.0538, 48.8580, 50.2863

Rectangle

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



45.4099, 48.8580, 35.0542



40.5034, 48.8580, 42.9008



47.4816, 48.8580, 76.7203



52.9259, 48.8580, 65.0238

Sweetspot

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



45.4112, 48.8602, 35.0552



89.1680, 94.5581, 91.9815



39.2161, 35.2306, 36.8116



19.4588, 20.6482, 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.



45.4112, 48.8602, 35.0552



79.1710, 85.4480, 55.0953



43.8935, 50.9804, 35.5445



10.7443, 11.4200, 10.6999



22.5970, 23.4797, 3.3411



1.0195, 1.1008, 0.1587

Inverse Universe

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



34.1200, 34.3493, 56.4618



55.4137, 54.9206, 100.1499



35.3615, 32.8125, 56.0998



9.6809, 10.0531, 12.7150



6.8856, 3.5278, 33.8746



0.3455, 0.2484, 1.4796

Previews

White Background



This preview shows how the XYZ color 45.4099, 48.8580, 35.0542 looks on a white background.

Color Contrast Check

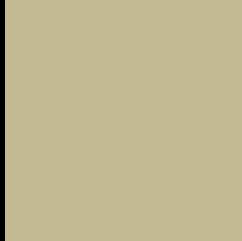
Large Text (above 18pt) WCAG AA × Fail

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 45.4099, 48.8580, 35.0542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

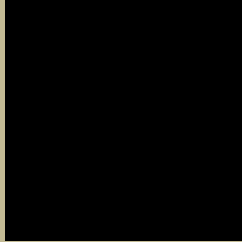
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4099, 48.8580, 35.0542

Background



This preview shows how black text looks on a background with the XYZ color 45.4099, 48.8580, 35.0542.



This preview shows how white text looks on a background with the XYZ color 45.4099, 48.8580,

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

45.4099, 48.8580, 35.0542

Protanopia

45.7202, 48.7064, 35.0085

Deuteranopia

49.7443, 48.6417, 35.6211



Tritanopia

50.1463, 48.9551, 57.8452

Trichromacy



Original Color

45.4099, 48.8580, 35.0542

Protanomaly

45.4592, 48.5718, 34.9963

Deuteranomaly

47.9611, 48.6276, 35.2920

Tritanomaly

48.2169, 48.7723, 48.4677

Monochromacy



Original Color

45.4099, 48.8580, 35.0542

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.4387, 48.3296, 45.4617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4099, 48.8580, 35.0542 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(195, 186, 148)` looks like.

```
.text, #text, p{  
    color:rgb(195, 186, 148)  
}
```

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(195, 186, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 186, 148) }
```

Border

The CSS property to change the border of an element to XYZ 45.4099, 48.8580, 35.0542 is called "border". The border property can be set on classes, ids or directly on the HTML element.

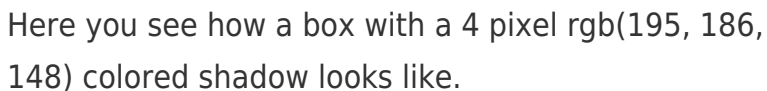
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 186, 148) }
```


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

```
.border{ border-color:rgb(195, 186, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 186, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 186, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 186, 148);  
box-shadow:4px 4px 4px 4px rgb(195, 186,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4099, 48.8580, 35.0542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 186, 148) }
```

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

```
.background{ background-color: rgb(195,  
186, 148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor