

Converting Colors

XYZ(46.8066, 45.8325, 53.5446)

Have a look what the booklet for
XYZ(46.8066, 45.8325, 53.5446)
contains.

XYZ(46.8053, 45.8499, 53.3967)	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(46.8053, 45.8499,
53.3967)**

Conversions

Conversions Part 1

Format	Color
Hex	C3AFBB
RGB	195, 175, 187
RGB Percent	76%, 69%, 73%
CMY	0.2353, 0.3137, 0.2667
CMYK	0.00, 0.10, 0.04, 0.24
HSL	324°, 14%, 73%
HSV	324°, 10%, 76%
XYZ	46.8053, 45.8499, 53.3967
YIQ	182.3480, 8.0680, 7.9720

Conversions

Conversions Part 2

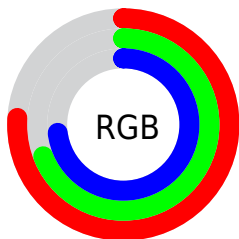
Format	Color
RYB	195, 175, 187
Decimal	12824507
CIELab	73.45, 9.29, -3.50
CIElCh	73, 9.926, 339.369
Yxy	45.8499, 0.3205, 0.3139
Android (android.graphics.Color)	4291014587 (0xFFC3AFBB)
YUV	182.3480, 2.2934, 11.0958
Hunter-Lab	67.7126, 4.8885, 0.6439

Details

The XYZ color **46.8053, 45.8499, 53.3967** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.7433, 51.5643, 52.3443**, and the grayscale version is **44.6390, 46.9637, 51.1435**.

A 20% lighter version of the original color is **84.8985, 84.3183, 96.5945**, and **22.3705, 21.5499, 25.5347** is the 20% darker color. If you saturate the color by 10%, you get **42.4684, 38.4760, 47.9421**, and if you desaturate by 10%, it is **51.7383, 54.3421, 59.2750**.

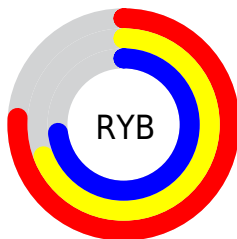
Distribution



Red (76%)

Green (69%)

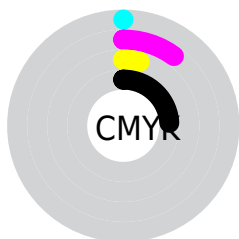
Blue (73%)



Red (76%)

Yellow (69%)

Blue (73%)

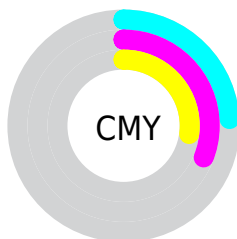


Cyan (0%)

Magenta (10%)

Yellow (4%)

Black (24%)



Cyan (24%)

Magenta (31%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8053, 45.8499, 53.3967 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 46.8053, 45.8499, 53.3967 by changing the saturation by 10% instead.

■ 46.8053, 45.8499,
53.3967

■ 46.8053, 45.8499,
53.3967

364.6987,
370.2049, 416.9146

■ 33.0891, 32.1274,
37.7297

■ 84.6434, 83.9943,
96.6353

■ 22.3542, 21.4588,
25.4727

109.4960,
109.1850, 125.0440

■ 14.2355, 13.4598,
16.2074

138.7915,
138.9672, 158.5369

■ 8.3674, 7.7459,
9.5151

172.8951,
173.7253, 197.5326

■ 4.3847, 3.9328,
4.9773

212.1723,
213.8438, 242.4497

■ 1.9220, 1.6360,
2.1754

256.9884,

■ 0.5896, 0.3817,

259.7069, 293.7067

0.6601

307.7088,
311.6991, 351.7222

■ 0.0000, 0.0000,
0.0000

■ 46.8053, 45.8499,
53.3967

■ 46.8053, 45.8499,
53.3967

■ 42.4684, 38.4760,
47.9421

■ 51.7383, 54.3421,
59.2750

■ 38.6995, 32.1673,
42.8967

■ 57.2861, 63.9908,
65.5849

■ 35.4741, 26.8754,
38.2492

■ 63.4715, 74.8398,
72.3381

■ 32.7645, 22.5458,
33.9867

■ 70.3148, 86.9288,
79.5446

■ 30.5401, 19.1188,
30.0952

■ 71.9946, 88.6137,
85.2670

■ 28.7671, 16.5279,
26.5595

■ 73.0899, 89.0518,
91.0350

■ 27.4070, 14.6976,
23.3629

■ 74.2346, 89.5097,
97.0629

■ 26.4144, 13.5383,
20.4859

■ 75.4293, 89.9876,
103.3540

■ 25.7161, 12.8863,
17.9576

■ 76.3160, 90.3423,
108.0233

Harmonies

Analogous

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



45.7489, 45.8499, 57.7515



46.8053, 45.8499, 53.3967



46.9848, 45.8499, 48.3700

Triad

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



46.8053, 45.8499, 53.3967



43.0334, 45.8499, 41.0034



41.0284, 45.8499, 56.2899

Complementary

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



46.8053, 45.8499, 53.3967



45.7433, 51.5643, 52.3443

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.



40.3418, 45.8499, 51.5084



46.8053, 45.8499, 53.3967



41.4787, 45.8499, 42.8356

Square

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



46.8053, 45.8499, 53.3967



44.7757, 45.8499, 41.4343



40.5044, 45.8499, 46.6028



42.4038, 45.8499, 59.4979

Rectangle

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



46.8053, 45.8499, 53.3967



46.5784, 45.8499, 45.3431



40.5044, 45.8499, 46.6028



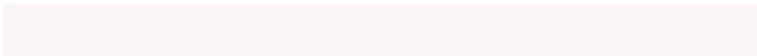
40.7111, 45.8499, 54.8008

Sweetspot

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



46.8066, 45.8519, 53.3977



90.0876, 92.8755, 103.1451



44.7105, 44.6696, 57.8961



19.5669, 20.0605, 22.3971



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.



46.8066, 45.8519, 53.3977



82.2481, 79.4159, 93.6894



45.7731, 45.4385, 47.9552



10.3212, 10.1771, 11.7817



16.7563, 8.3923, 11.8947



0.7573, 0.3759, 0.6892

Inverse Universe

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



46.8066, 45.8519, 53.3977



82.2481, 79.4159, 93.6894



46.8214, 51.9956, 58.0214



10.3212, 10.1771, 11.7817



16.7563, 8.3923, 11.8947



0.7573, 0.3759, 0.6892

Previews

White Background



This preview shows how the XYZ color 46.8053, 45.8499, 53.3967 looks on a white background.

Color Contrast Check

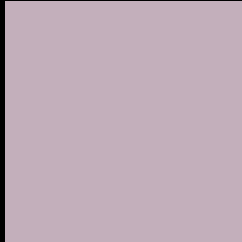
Large Text (above 18pt) WCAG AA × Fail

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 46.8053, 45.8499, 53.3967 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 46.8053, 45.8499, 53.3967

Background



This preview shows how black text looks on a background with the XYZ color 46.8053, 45.8499, 53.3967.



This preview shows how white text looks on a background with the XYZ color 46.8053, 45.8499,

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

46.8053, 45.8499, 53.3967

Protanopia

44.4704, 45.7817, 55.2081

Deuteranopia

46.8053, 45.8499, 53.3967



Tritanopia

46.9127, 45.8929, 53.9626

Trichromacy



Original Color

46.8053, 45.8499, 53.3967

Protanomaly

45.3554, 45.9540, 54.6236

Deuteranomaly

46.8053, 45.8499, 53.3967

Tritanomaly

46.9127, 45.8929, 53.9626

Monochromacy



Original Color

46.8053, 45.8499, 53.3967

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.2653, 46.2657, 51.8918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8053, 45.8499, 53.3967 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, 175, 187)` looks like.

```
.text, #text, p{  
    color:rgb(195, 175, 187)  
}
```

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, 175, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 175, 187) }
```

Border

The CSS property to change the border of an element to XYZ 46.8053, 45.8499, 53.3967 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, 175, 187) }
```


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

```
.border{ border-color:rgb(195, 175, 187) }
```

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

Here you see how a box with a 4 pixel rgb(195, 175, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 175, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 175, 187);  
box-shadow:4px 4px 4px 4px rgb(195, 175,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8053, 45.8499, 53.3967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 175, 187) }
```

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

```
.background{ background-color: rgb(195,  
175, 187) }
```

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