

Converting Colors

XYZ(46.4500, 45.9159, 58.8055)

Have a look what the booklet for
XYZ(46.4500, 45.9159, 58.8055)
contains.

XYZ(46.4754, 45.8550, 58.6259)	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(46.4754, 45.8550,
58.6259)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB0C4
RGB	189, 176, 196
RGB Percent	74%, 69%, 77%
CMY	0.2588, 0.3098, 0.2314
CMYK	0.04, 0.10, 0.00, 0.23
HSL	279°, 14%, 73%
HSV	279°, 10%, 77%
XYZ	46.4754, 45.8550, 58.6259
YIQ	182.1670, 1.3280, 8.9760

Conversions

Conversions Part 2

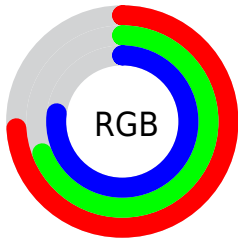
Format	Color
R_{YB}	189, 176, 196
Decimal	12431556
CIE _{Lab}	73.45, 8.34, -8.48
CIE _{LCh}	73, 11.898, 314.538
Yxy	45.8550, 0.3079, 0.3038
Android (android.graphics.Color)	4290621636 (0xFFBDB0C4)
YUV	182.1670, 6.8197, 5.9925
Hunter-Lab	67.7163, 4.0054, -3.9293

Details

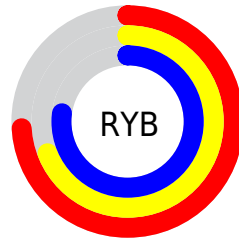
The XYZ color **46.4754, 45.8550, 58.6259** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.1065, 52.6829, 48.7626**, and the grayscale version is **44.5190, 46.8375, 51.0060**.

A 20% lighter version of the original color is **84.2424, 84.2176, 104.7441**, and **22.2435, 21.6025, 28.5885** is the 20% darker color. If you saturate the color by 10%, you get **41.2450, 37.8606, 57.3592**, and if you desaturate by 10%, it is **52.3439, 55.0045, 60.0833**.

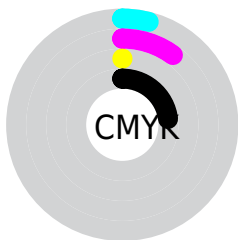
Distribution



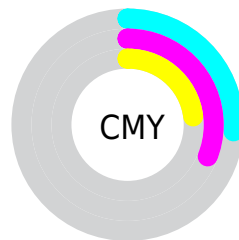
- Red (74%)
- Green (69%)
- Blue (77%)



- Red (74%)
- Yellow (69%)
- Blue (77%)



- Cyan (4%)
- Magenta (10%)
- Yellow (0%)
- Black (23%)



- Cyan (26%)
- Magenta (31%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4754, 45.8550, 58.6259 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 46.4754, 45.8550, 58.6259 by changing the saturation by 10% instead.

■ 46.4754, 45.8550,
58.6259

■ 46.4754, 45.8550,
58.6259

363.4006,
370.2254, 437.1774

■ 32.8273, 32.1314,
41.8940

■ 84.1535, 84.0020,
104.3575

■ 22.1528, 21.4619,
28.6934

108.9143,
109.1941, 134.1943

■ 14.0865, 13.4620,
18.6054

138.1101,
138.9779, 169.2365

■ 8.2629, 7.7475,
11.2116

172.1062,
173.7377, 209.9027

■ 4.3169, 3.9338,
6.0934

211.2679,
213.8580, 256.6113

■ 1.8829, 1.6366,
2.8322

255.9606,

■ 0.5669, 0.3821,

259.7231, 309.7809

1.0096

306.5498,
311.7174, 369.8301

■ 0.0000, 0.0000,
0.0000

■ 46.4754, 45.8550,
58.6259

■ 46.4754, 45.8550,
58.6259

■ 41.2450, 37.8606,
57.3592

■ 52.3439, 55.0045,
60.0833

■ 36.6238, 30.9676,
56.2723

■ 58.8698, 65.3484,
61.7359

■ 32.5868, 25.1266,
55.3576

■ 66.0764, 76.9311,
63.5918

■ 29.1053, 20.2822,
54.6060

■ 73.9848, 89.7932,
65.6576

■ 26.1481, 16.3735,
54.0075

■ 76.2496, 91.2421,
65.8179

■ 23.6806, 13.3332,
53.5507

■ 78.4105, 92.3561,
65.9191

■ 21.6634, 11.0843,
53.2229

■ 80.6581, 93.5148,
66.0242

■ 20.0501, 9.5360,
53.0091

■ 82.9933, 94.7187,
66.1335

■ 18.7750, 8.5278,
52.8817

■ 85.4172, 95.9682,
66.2470

Harmonies

Analogous

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



44.6045, 45.8550, 61.9696



46.4754, 45.8550, 58.6259



47.5893, 45.8550, 53.0727

Triad

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



46.4754, 45.8550, 58.6259



44.6683, 45.8550, 39.5988



39.7937, 45.8550, 52.8855

Complementary

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



46.4754, 45.8550, 58.6259



47.1065, 52.6829, 48.7626

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.



39.8096, 45.8550, 46.9106



46.4754, 45.8550, 58.6259



42.5788, 45.8550, 39.5575

Square

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



46.4754, 45.8550, 58.6259



46.5234, 45.8550, 42.2543



40.8147, 45.8550, 42.1365



40.7707, 45.8550, 58.4794

Rectangle

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



46.4754, 45.8550, 58.6259



47.7309, 45.8550, 49.0196



40.8147, 45.8550, 42.1365



39.6842, 45.8550, 50.8482

Sweetspot

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



46.4767, 45.8570, 58.6269



91.6796, 94.7115, 108.0568



44.8724, 47.2222, 58.9750



19.4344, 19.9768, 23.0816



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.



46.4767, 45.8570, 58.6269



82.2218, 80.0314, 105.7218



47.9545, 46.6535, 57.1257



10.1440, 10.0654, 12.6930



12.1595, 5.5289, 33.9829



0.5976, 0.2761, 1.4717

Inverse Universe

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



46.8391, 46.2074, 51.2522



83.0148, 80.7912, 89.9005



45.7491, 51.9523, 50.0899



10.2155, 10.1348, 11.2255



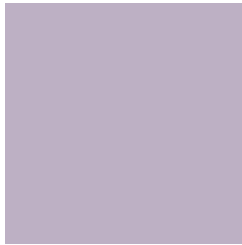
15.3470, 7.8286, 4.4736



0.6960, 0.3514, 0.3664

Previews

White Background



This preview shows how the XYZ color 46.4754, 45.8550, 58.6259 looks on a white background.

Color Contrast Check

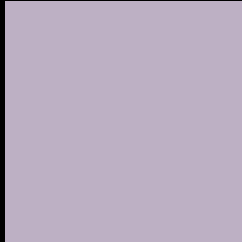
Large Text (above 18pt) WCAG AA × Fail

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 46.4754, 45.8550, 58.6259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

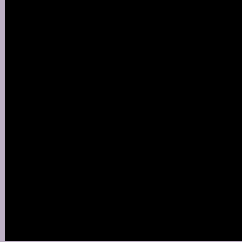
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4754, 45.8550, 58.6259

Background



This preview shows how black text looks on a background with the XYZ color 46.4754, 45.8550, 58.6259.



This preview shows how white text looks on a background with the XYZ color 46.4754, 45.8550,

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

46.4754, 45.8550, 58.6259

Protanopia

44.6732, 45.7824, 59.9084

Deuteranopia

46.7796, 45.7218, 58.5842



Tritanopia

45.8651, 45.8972, 55.7319

Trichromacy



Original Color

46.4754, 45.8550, 58.6259

Protanomaly

45.2898, 45.8171, 59.2799

Deuteranomaly

46.5290, 45.5926, 58.5725

Tritanomaly

46.0868, 45.9859, 56.8992

Monochromacy



Original Color

46.4754, 45.8550, 58.6259

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.2985, 46.5447, 53.6102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4754, 45.8550, 58.6259 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(189, 176, 196)` looks like.

```
.text, #text, p{  
    color:rgb(189, 176, 196)  
}
```

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(189, 176, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 176, 196) }
```

Border

The CSS property to change the border of an element to XYZ 46.4754, 45.8550, 58.6259 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(189, 176, 196) }
```


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

```
.border{ border-color:rgb(189, 176, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 176, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 176, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 176, 196);  
box-shadow:4px 4px 4px 4px rgb(189, 176,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4754, 45.8550, 58.6259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 176, 196) }
```

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

```
.background{ background-color: rgb(189,  
176, 196) }
```

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