

Converting Colors

XYZ(46.0727, 46.6632, 58.1062)

Have a look what the booklet for
XYZ(46.0727, 46.6632, 58.1062)
contains.

XYZ(45.9780, 46.4946, 58.1808)	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(45.9780, 46.4946,
58.1808)**

Conversions

Conversions Part 1

Format	Color
Hex	B9B3C3
RGB	185, 179, 195
RGB Percent	73%, 70%, 76%
CMY	0.2745, 0.2980, 0.2353
CMYK	0.05, 0.08, 0.00, 0.24
HSL	262°, 12%, 73%
HSV	262°, 8%, 76%
XYZ	45.9780, 46.4946, 58.1808
YIQ	182.6180, -1.5600, 6.2480

Conversions

Conversions Part 2

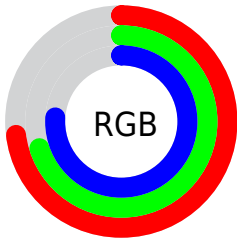
Format	Color
RYB	185, 179, 195
Decimal	12170179
CIELab	73.87, 5.15, -7.35
CIELCh	74, 8.978, 305.005
Yxy	46.4946, 0.3052, 0.3086
Android (android.graphics.Color)	4290360259 (0xFFB9B3C3)
YUV	182.6180, 6.1043, 2.0890
Hunter-Lab	68.1869, 1.0342, -2.8586

Details

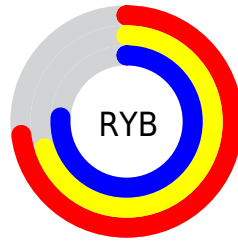
The XYZ color **45.9780, 46.4946, 58.1808** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.6397, 53.1049, 50.3368**, and the grayscale version is **44.7700, 47.1015, 51.2936**.

A 20% lighter version of the original color is **83.5546, 85.1457, 104.1264**, and **21.7843, 21.7503, 28.2494** is the 20% darker color. If you saturate the color by 10%, you get **39.5275, 37.7730, 56.8381**, and if you desaturate by 10%, it is **53.2361, 56.4555, 59.7216**.

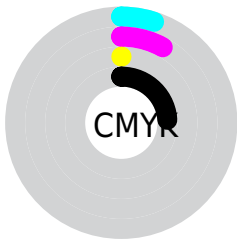
Distribution



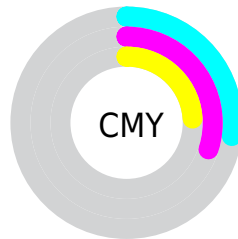
- Red (73%)
- Green (70%)
- Blue (76%)



- Red (73%)
- Yellow (70%)
- Blue (76%)



- Cyan (5%)
- Magenta (8%)
- Yellow (0%)
- Black (24%)



- Cyan (27%)
- Magenta (30%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9780, 46.4946, 58.1808 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 45.9780, 46.4946, 58.1808 by changing the saturation by 10% instead.

■ 45.9780, 46.4946,
58.1808

■ 45.9780, 46.4946,
58.1808

361.4376,
372.7936, 435.4764

■ 32.4330, 32.6363,
41.5384

■ 83.4141, 84.9587,
103.7035

■ 21.8496, 21.8480,
28.4171

108.0360,
110.3333, 133.4208

■ 13.8624, 13.7452,
18.3986

137.0809,
140.3155, 168.3335

■ 8.1061, 7.9437,
11.0641

170.9141,
175.2896, 208.8601

■ 4.2153, 4.0589,
5.9953

209.9010,
215.6401, 255.4191

■ 1.8246, 1.7066,
2.7735

254.4070,

■ 0.5324, 0.4279,

261.7513, 308.4291

0.9802

304.7974,
314.0077, 368.3087

■ 0.0000, 0.0000,
0.0000

■ 45.9780, 46.4946,
58.1808

■ 45.9780, 46.4946,
58.1808

■ 39.5275, 37.7730,
56.8381

■ 53.2361, 56.4555,
59.7216

■ 33.8511, 30.2354,
55.6823

■ 61.3254, 67.6962,
61.4649

■ 28.9189, 23.8310,
54.7061

■ 70.2737, 80.2630,
63.4189

■ 24.6974, 18.5029,
53.9002

■ 79.4633, 92.9120,
65.3761

■ 21.1504, 14.1893,
53.2545

■ 83.5987, 95.0439,
65.5696

■ 18.2381, 10.8217,
52.7580

■ 86.8505, 96.7202,
65.7218

■ 15.9160, 8.3228,
52.3981

■ 14.1328, 6.6028,
52.1600

■ 12.8133, 5.5240,
52.0214

Harmonies

Analogous

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



44.4603, 46.4946, 59.9075



45.9780, 46.4946, 58.1808



47.0357, 46.4946, 54.4351

Triad

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



45.9780, 46.4946, 58.1808



45.5029, 46.4946, 43.0600



41.2007, 46.4946, 51.3963

Complementary

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



45.9780, 46.4946, 58.1808



48.6397, 53.1049, 50.3368

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.



41.4647, 46.4946, 46.9964



45.9780, 46.4946, 58.1808



43.9242, 46.4946, 42.3541

Square

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



45.9780, 46.4946, 58.1808



46.7568, 46.4946, 45.7423



42.4523, 46.4946, 43.7529



41.7222, 46.4946, 55.8427

Rectangle

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



45.9780, 46.4946, 58.1808



47.3242, 46.4946, 51.3949



42.4523, 46.4946, 43.7529



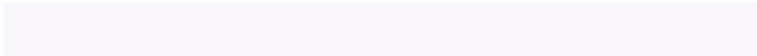
41.2007, 46.4946, 49.8623

Sweetspot

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



45.9794, 46.4966, 58.1818



90.1974, 94.0177, 105.8631



46.6687, 49.9780, 58.8175



19.7811, 20.6284, 23.1891



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.



45.9794, 46.4966, 58.1818



79.9820, 80.0549, 103.7064



47.9302, 47.5023, 58.2731



9.8771, 9.9278, 12.6805



8.2794, 3.5286, 33.8013



0.4343, 0.1919, 1.4640

Inverse Universe

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



47.8127, 47.5185, 54.7984



84.0088, 82.3001, 96.2405



46.7407, 52.1259, 50.2479



10.3320, 10.1814, 11.8387



16.9483, 8.4691, 12.9056



0.7648, 0.3789, 0.7289

Previews

White Background



This preview shows how the XYZ color 45.9780, 46.4946, 58.1808 looks on a white background.

Color Contrast Check

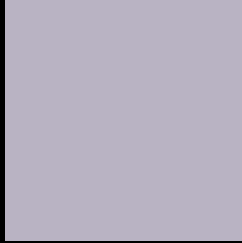
Large Text (above 18pt) WCAG AA × Fail

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 45.9780, 46.4946, 58.1808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

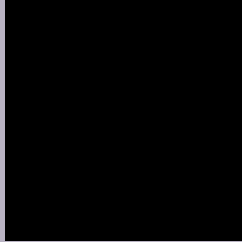
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9780, 46.4946, 58.1808

Background



This preview shows how black text looks on a background with the XYZ color 45.9780, 46.4946, 58.1808.

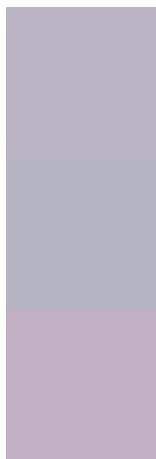


This preview shows how white text looks on a background with the XYZ color 45.9780, 46.4946,

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

45.9780, 46.4946, 58.1808

Protanopia

45.3411, 46.4518, 58.8009

Deuteranopia

47.4815, 46.3736, 58.6730



Tritanopia

45.7533, 46.4047, 56.9976

Trichromacy



Original Color

45.9780, 46.4946, 58.1808

Protanomaly

45.5765, 46.5731, 58.8119

Deuteranomaly

46.9212, 46.3770, 58.7032

Tritanomaly

45.8653, 46.4495, 57.5872

Monochromacy



Original Color

45.9780, 46.4946, 58.1808

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.4648, 47.2341, 53.7346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9780, 46.4946, 58.1808 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(185, 179, 195)` looks like.

```
.text, #text, p{  
    color:rgb(185, 179, 195)  
}
```

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(185, 179, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 179, 195) }
```

Border

The CSS property to change the border of an element to XYZ 45.9780, 46.4946, 58.1808 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(185, 179, 195) }
```


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

```
.border{ border-color:rgb(185, 179, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 179, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 179, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 179, 195);  
box-shadow:4px 4px 4px 4px rgb(185, 179,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9780, 46.4946, 58.1808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 179, 195) }
```

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

```
.background{ background-color: rgb(185,  
179, 195) }
```

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