

Converting Colors

XYZ(46.8001, 49.9663, 55.9655)

Have a look what the booklet for
XYZ(46.8001, 49.9663, 55.9655)
contains.

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Color

**XYZ(46.7833, 50.0580,
55.9116)**

Conversions

Conversions Part 1

Format	Color
Hex	B6BDBE
RGB	182, 189, 190
RGB Percent	71%, 74%, 75%
CMY	0.2863, 0.2588, 0.2549
CMYK	0.04, 0.01, 0.00, 0.25
HSL	187°, 6%, 73%
HSV	187°, 4%, 75%
XYZ	46.7833, 50.0580, 55.9116
YIQ	187.0210, -4.4930, -1.1730

Conversions

Conversions Part 2

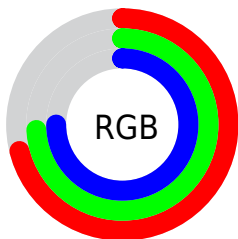
Format	Color
RYB	182, 186, 190
Decimal	11976126
CIELab	76.10, -2.22, -1.35
CIELCh	76, 2.605, 211.342
Yxy	50.0580, 0.3063, 0.3277
Android (android.graphics.Color)	4290166206 (0xFFB6BDBE)
YUV	187.0210, 1.4686, -4.4034
Hunter-Lab	70.7517, -5.7855, 2.6722

Details

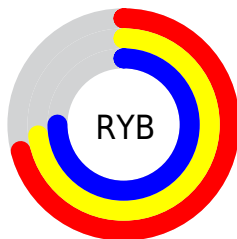
The XYZ color **46.7833, 50.0580, 55.9116** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.6124, 48.1911, 51.1019**, and the grayscale version is **47.2409, 49.7011, 54.1245**.

A 20% lighter version of the original color is **84.5469, 90.1358, 100.1306**, and **22.3728, 24.0816, 27.1360** is the 20% darker color. If you saturate the color by 10%, you get **42.0923, 46.8911, 55.5483**, and if you desaturate by 10%, it is **52.0943, 53.5596, 56.3083**.

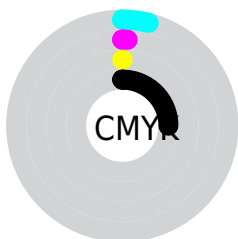
Distribution



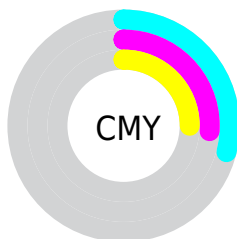
- Red (71%)
- Green (74%)
- Blue (75%)



- Red (71%)
- Yellow (73%)
- Blue (75%)



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)



- Cyan (29%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7833, 50.0580, 55.9116 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 46.7833, 50.0580, 55.9116 by changing the saturation by 10% instead.

■ 46.7833, 50.0580,
55.9116

■ 46.7833, 50.0580,
55.9116

364.6123,
386.8927, 426.7372

■ 33.0716, 35.4595,
39.7285

■ 84.6108, 90.2608,
100.3598

■ 22.3408, 24.0170,
27.0148

109.4573,
116.6339, 129.4621

■ 14.2255, 15.3463,
17.3518

138.7461,
147.7006, 163.7078

■ 8.3604, 9.0628,
10.3210

172.8426,
183.8454, 203.5155

■ 4.3802, 4.7821,
5.5039

212.1121,
225.4526, 249.3037

■ 1.9194, 2.1200,
2.4820

256.9199,

■ 0.5881, 0.6758,

272.9066, 301.4911

0.8306

307.6316,
326.5918, 360.4961

■ 0.0000, 0.0000,
0.0000

■ 46.7833, 50.0580,
55.9116

■ 46.7833, 50.0580,
55.9116

■ 42.0923, 46.8911,
55.5483

■ 52.0943, 53.5596,
56.3083

■ 37.9927, 44.0400,
55.2141

■ 58.0441, 57.4016,
56.7363

■ 34.4598, 41.4933,
54.9087

■ 64.6559, 61.5972,
57.1977

■ 31.4656, 39.2365,
54.6309

■ 70.8373, 65.5836,
57.6413

■ 28.9799, 37.2539,
54.3793

■ 71.3845, 66.6779,
57.8237

■ 26.9691, 35.5282,
54.1521

■ 71.9401, 67.7892,
58.0089

■ 25.3956, 34.0399,
53.9478

■ 72.5044, 68.9177,
58.1970

■ 24.2163, 32.7668,
53.7642

■ 73.0772, 70.0633,
58.3879

■ 23.3788, 31.6817,
53.5989

■ 73.6586, 71.2261,
58.5817

Harmonies

Analogous

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



46.6486, 50.0580, 54.5675



46.7833, 50.0580, 55.9116



47.1309, 50.0580, 56.8921

Triad

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



46.7833, 50.0580, 55.9116



48.4051, 50.0580, 55.8010



47.5567, 50.0580, 51.8672

Complementary

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



46.7833, 50.0580, 55.9116



46.6124, 48.1911, 51.1019

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.



48.0291, 50.0580, 52.1850



46.7833, 50.0580, 55.9116



48.5210, 50.0580, 54.4418

Square

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



46.7833, 50.0580, 55.9116



48.0674, 50.0580, 56.8275



48.3829, 50.0580, 53.1215



47.0932, 50.0580, 52.2460

Rectangle

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



46.7833, 50.0580, 55.9116



47.4378, 50.0580, 57.1993



48.3829, 50.0580, 53.1215



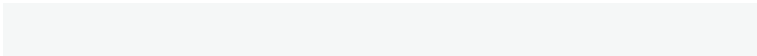
47.7197, 50.0580, 51.8960

Sweetspot

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



46.7847, 50.0601, 55.9127



87.7292, 92.6744, 101.5432



46.2460, 50.1889, 52.0142



19.2750, 20.3574, 22.2988



92.9021, 97.7402, 106.4391



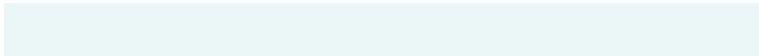
19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.7847, 50.0601, 55.9127



83.9954, 90.1915, 101.2608



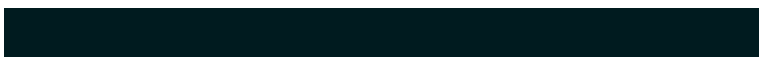
45.9494, 48.3895, 55.6343



10.0973, 10.8653, 12.2372



15.3259, 20.7635, 35.5929



0.6291, 0.8710, 1.4038

Inverse Universe

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



47.1496, 48.0782, 54.9416



84.7899, 85.8866, 99.1439



47.4357, 49.8377, 51.3763



10.2031, 10.2931, 11.9552



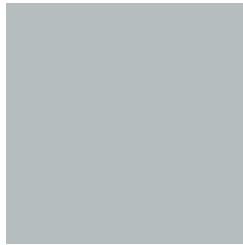
18.7366, 9.1258, 24.9701



0.7485, 0.3633, 1.0547

Previews

White Background



This preview shows how the XYZ color 46.7833, 50.0580, 55.9116 looks on a white background.

Color Contrast Check

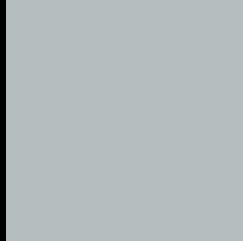
Large Text (above 18pt) WCAG AA × Fail

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 46.7833, 50.0580, 55.9116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

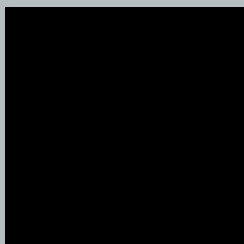
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

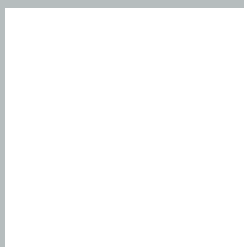
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7833, 50.0580, 55.9116

Background



This preview shows how black text looks on a background with the XYZ color 46.7833, 50.0580, 55.9116.

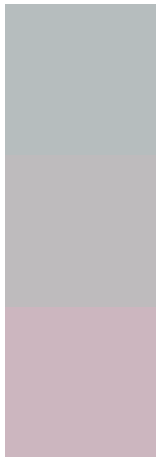


This preview shows how white text looks on a background with the XYZ color 46.7833, 50.0580,

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

46.7833, 50.0580, 55.9116

Protanopia

48.1908, 50.1619, 55.2864

Deuteranopia

51.0338, 50.0549, 56.2620



Tritanopia

48.1982, 49.9953, 62.9869

Trichromacy



Original Color

46.7833, 50.0580, 55.9116

Protanomaly

47.6620, 50.2054, 55.3227

Deuteranomaly

49.5179, 50.1953, 56.3690

Tritanomaly

47.7047, 50.1109, 60.5842

Monochromacy



Original Color

46.7833, 50.0580, 55.9116

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.0679, 49.9116, 54.7301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7833, 50.0580, 55.9116 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(182, 189, 190)` looks like.

```
.text, #text, p{  
    color:rgb(182, 189, 190)  
}
```

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(182, 189, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 189, 190) }
```

Border

The CSS property to change the border of an element to XYZ 46.7833, 50.0580, 55.9116 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(182, 189, 190) }
```


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

```
.border{ border-color:rgb(182, 189, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 189, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 189, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 189, 190);  
box-shadow:4px 4px 4px 4px rgb(182, 189,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7833, 50.0580, 55.9116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 189, 190) }
```

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

```
.background{ background-color: rgb(182,  
189, 190) }
```

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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