

Converting Colors

XYZ(46.9344, 50.6474, 60.2229)

Have a look what the booklet for
XYZ(46.9344, 50.6474, 60.2229)
contains.

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Color

**XYZ(46.8403, 50.6399,
60.1291)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BFC5
RGB	177, 191, 197
RGB Percent	69%, 75%, 77%
CMY	0.3059, 0.2510, 0.2274
CMYK	0.10, 0.03, 0.00, 0.23
HSL	198°, 15%, 73%
HSV	198°, 10%, 77%
XYZ	46.8403, 50.6399, 60.1291
YIQ	187.4980, -10.2700, -1.1020

Conversions

Conversions Part 2

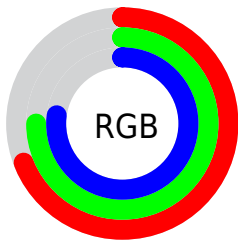
Format	Color
RYB	177, 185, 197
Decimal	11648965
CIELab	76.46, -3.60, -4.67
CIElCh	76, 5.896, 232.407
Yxy	50.6399, 0.2972, 0.3213
Android (android.graphics.Color)	4289839045 (0xFFB1BFC5)
YUV	187.4980, 4.6845, -9.2067
Hunter-Lab	71.1617, -7.0401, -0.2847

Details

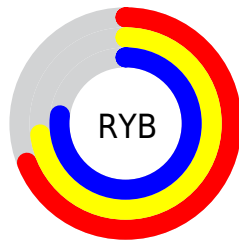
The XYZ color **46.8403, 50.6399, 60.1291** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.8956, 48.9114, 48.5123**, and the grayscale version is **47.4951, 49.9685, 54.4157**.

A 20% lighter version of the original color is **84.7544, 91.0009, 106.8638**, and **22.3586, 24.4452, 29.5266** is the 20% darker color. If you saturate the color by 10%, you get **41.4110, 45.9682, 59.5143**, and if you desaturate by 10%, it is **52.9723, 55.7537, 60.7938**.

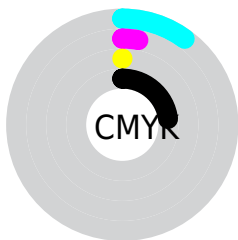
Distribution



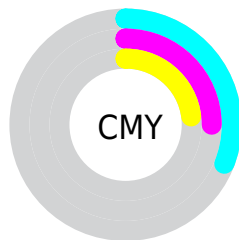
- Red (69%)
- Green (75%)
- Blue (77%)



- Red (69%)
- Yellow (73%)
- Blue (77%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (23%)



- Cyan (31%)
- Magenta (25%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8403, 50.6399, 60.1291 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 46.8403, 50.6399, 60.1291 by changing the saturation by 10% instead.

■ 46.8403, 50.6399,
60.1291

■ 46.8403, 50.6399,
60.1291

364.8363,
389.1631, 442.8913

■ 33.1168, 35.9221,
43.0967

■ 84.6954, 91.1223,
106.5621

■ 22.3756, 24.3740,
29.6290

109.5577,
117.6556, 136.7999

■ 14.2513, 15.6113,
19.3075

138.8637,
148.8963, 172.2765

■ 8.3785, 9.2495,
11.7137

172.9788,
185.2287, 213.4105

■ 4.3919, 4.9043,
6.4288

212.2682,
227.0371, 260.6204

■ 1.9262, 2.1912,
3.0346

257.0973,

■ 0.5920, 0.7152,

274.7061, 314.3248

1.1123

307.8316,
328.6200, 374.9423

■ 0.0000, 0.0000,
0.0000

■ 46.8403, 50.6399,
60.1291

■ 46.8403, 50.6399,
60.1291

■ 41.4110, 45.9682,
59.5143

■ 52.9723, 55.7537,
60.7938

■ 36.6517, 41.7168,
58.9446

■ 59.8292, 61.3179,
61.5064

■ 32.5337, 37.8714,
58.4194

■ 67.4376, 67.3484,
62.2694

■ 29.0244, 34.4141,
57.9370

■ 75.5255, 73.7058,
63.0702

■ 26.0880, 31.3256,
57.4956

■ 77.0536, 76.7622,
63.5796

■ 23.6848, 28.5845,
57.0932

■ 78.6367, 79.9282,
64.1072

■ 21.7697, 26.1666,
56.7274

■ 80.2751, 83.2050,
64.6534

■ 20.2894, 24.0432,
56.3956

■ 81.9694, 86.5937,
65.2182

■ 19.1563, 22.1875,
56.0971

■ 83.7202, 90.0953,
65.8018

Harmonies

Analogous

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



46.1838, 50.6399, 57.5032



46.8403, 50.6399, 60.1291



47.8500, 50.6399, 61.4273

Triad

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



46.8403, 50.6399, 60.1291



50.2803, 50.6399, 55.9506



47.3220, 50.6399, 49.6736

Complementary

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



46.8403, 50.6399, 60.1291



47.8956, 48.9114, 48.5123

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.



48.4145, 50.6399, 49.2938



46.8403, 50.6399, 60.1291



50.1337, 50.6399, 52.8390

Square

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



46.8403, 50.6399, 60.1291



49.8442, 50.6399, 58.9551



49.4466, 50.6399, 50.4315



46.4589, 50.6399, 51.4897

Rectangle

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



46.8403, 50.6399, 60.1291



48.5921, 50.6399, 61.3314



49.4466, 50.6399, 50.4315



47.6742, 50.6399, 49.3767

Sweetspot

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



46.8418, 50.6420, 60.1302



91.5639, 97.1229, 108.5284



46.6112, 52.6855, 52.3316



19.4033, 20.6264, 23.2086



0.0000, 0.0000, 0.0000



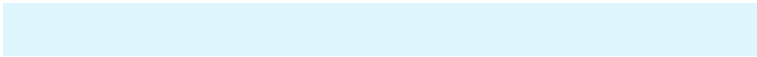
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8418, 50.6420, 60.1302



81.8169, 88.9359, 107.4619



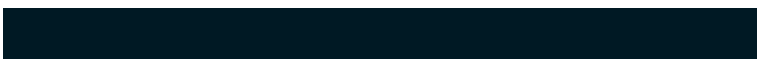
44.8021, 46.5627, 59.4503



10.6679, 11.5098, 13.5768



12.6757, 14.7454, 36.9224



0.6614, 0.8206, 1.7687

Inverse Universe

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



48.1532, 47.0772, 55.8415



84.6109, 81.4296, 98.3053



49.9590, 53.0383, 49.2001



10.9424, 10.7603, 12.6798



18.1975, 9.0285, 16.7815



0.8925, 0.4399, 0.9573

Previews

White Background



This preview shows how the XYZ color 46.8403, 50.6399, 60.1291 looks on a white background.

Color Contrast Check

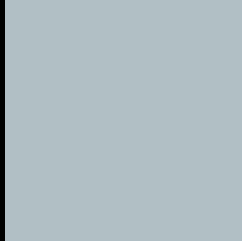
Large Text (above 18pt) WCAG AA × Fail

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 46.8403, 50.6399, 60.1291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

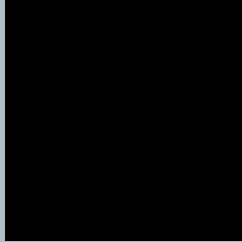
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

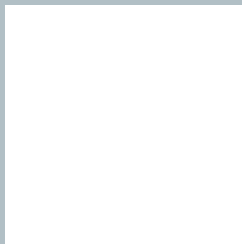
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8403, 50.6399, 60.1291

Background



This preview shows how black text looks on a background with the XYZ color 46.8403, 50.6399, 60.1291.



This preview shows how white text looks on a background with the XYZ color 46.8403, 50.6399,

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

46.8403, 50.6399, 60.1291

Protanopia

48.8559, 50.4279, 58.7883

Deuteranopia

51.5994, 50.5471, 61.0698



Tritanopia

47.7930, 50.6997, 65.0247

Trichromacy



Original Color

46.8403, 50.6399, 60.1291

Protanomaly

47.9546, 50.2662, 59.3994

Deuteranomaly

49.7443, 50.5325, 60.5580

Tritanomaly

47.4342, 50.5562, 63.1354

Monochromacy



Original Color

46.8403, 50.6399, 60.1291

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.3687, 50.3471, 56.5116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8403, 50.6399, 60.1291 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(177, 191, 197)` looks like.

```
.text, #text, p{  
    color:rgb(177, 191, 197)  
}
```

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(177, 191, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 191, 197) }
```

Border

The CSS property to change the border of an element to XYZ 46.8403, 50.6399, 60.1291 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(177, 191, 197) }
```


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

```
.border{ border-color:rgb(177, 191, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 191, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 191, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 191, 197);  
box-shadow:4px 4px 4px 4px rgb(177, 191,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8403, 50.6399, 60.1291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 191, 197) }
```

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

```
.background{ background-color: rgb(177,  
191, 197) }
```

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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