

Converting Colors

XYZ(45.2805, 46.5320, 68.0928)

Have a look what the booklet for
XYZ(45.2805, 46.5320, 68.0928)
contains.

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Color

**XYZ(45.2950, 46.5216,
68.2203)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB5D3
RGB	172, 181, 211
RGB Percent	67%, 71%, 83%
CMY	0.3255, 0.2902, 0.1725
CMYK	0.18, 0.14, 0.00, 0.17
HSL	226°, 31%, 75%
HSV	226°, 18%, 83%
XYZ	45.2950, 46.5216, 68.2203
YIQ	181.7290, -14.9940, 7.4220

Conversions

Conversions Part 2

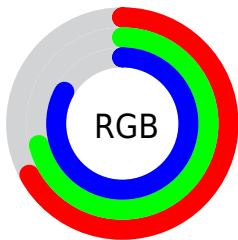
Format	Color
RYB	172, 179, 211
Decimal	11318739
CIELab	73.88, 3.12, -16.17
CIELCh	74, 16.467, 280.929
Yxy	46.5216, 0.2830, 0.2907
Android (android.graphics.Color)	4289508819 (0xFFACB5D3)
YUV	181.7290, 14.4306, -8.5323
Hunter-Lab	68.2067, -0.8228, -11.5571

Details

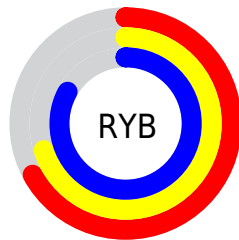
The XYZ color **45.2950, 46.5216, 68.2203** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **55.4312, 59.0683, 47.5105**, and the grayscale version is **44.2471, 46.5514, 50.6945**.

A 20% lighter version of the original color is **80.3291, 84.2824, 106.6421**, and **21.3277, 21.7606, 34.5286** is the 20% darker color. If you saturate the color by 10%, you get **37.9168, 38.1021, 66.9848**, and if you desaturate by 10%, it is **53.7958, 56.0928, 69.6204**.

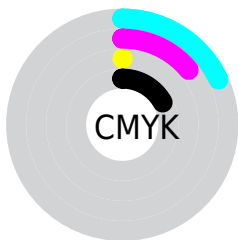
Distribution



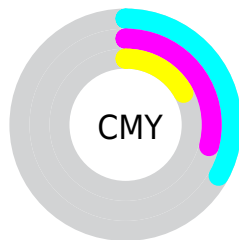
- Red (67%)
- Green (71%)
- Blue (83%)



- Red (67%)
- Yellow (70%)
- Blue (83%)



- Cyan (18%)
- Magenta (14%)
- Yellow (0%)
- Black (17%)



- Cyan (33%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2950, 46.5216, 68.2203 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 45.2950, 46.5216, 68.2203 by changing the saturation by 10% instead.

■ 45.2950, 46.5216,
68.2203

■ 45.2950, 46.5216,
68.2203

358.7306,
372.9017, 472.8954

■ 31.8921, 32.6576,
49.6092

■ 82.3973, 84.9991,
118.3244

■ 21.4343, 21.8643,
34.7340

106.8273,
110.3814, 150.6545

■ 13.5561, 13.7572,
23.1761

135.6639,
140.3719, 188.3947

■ 7.8922, 7.9520,
14.5171

169.2722,
175.3550, 231.9634

■ 4.0773, 4.0642,
8.3383

208.0177,
215.7152, 281.7794

■ 1.7459, 1.7096,
4.2213

252.2657,

■ 0.4848, 0.4298,

261.8368, 338.2610

1.7475

302.3815,
314.1041, 401.8268

■ 0.0000, 0.0000,
0.3930

■ 0.0000, 0.0000,
0.0000

■ 45.2950, 46.5216,
68.2203

■ 45.2950, 46.5216,
68.2203

■ 37.9168, 38.1021,
66.9848

■ 53.7958, 56.0928,
69.6204

■ 31.6091, 30.7845,
65.9048

■ 63.4596, 66.8517,
71.1878

■ 26.3221, 24.5237,
64.9750

■ 74.3303, 78.8398,
72.9288

■ 22.0002, 19.2691,
64.1886

■ 85.9302, 91.8277,
74.8243

■ 18.5821, 14.9657,
63.5381

■ 88.7580, 97.4832,
75.7669

■ 15.9993, 11.5530,
63.0155

■ 14.1727, 8.9628,
62.6118

■ 12.9892, 7.1061,
62.3158

■ 12.8440, 6.8752,
62.2789

Harmonies

Analogous

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



42.4006, 46.5216, 67.4992



45.2950, 46.5216, 68.2203



48.0149, 46.5216, 63.8594

Triad

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



45.2950, 46.5216, 68.2203



48.6154, 46.5216, 40.7949



39.0998, 46.5216, 45.5592

Complementary

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



45.2950, 46.5216, 68.2203



55.4312, 59.0683, 47.5105

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.



40.6256, 46.5216, 39.4076



45.2950, 46.5216, 68.2203



46.0853, 46.5216, 36.8743

Square

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



45.2950, 46.5216, 68.2203



49.9876, 46.5216, 47.6539



43.1570, 46.5216, 36.3962



38.9093, 46.5216, 53.7777

Rectangle

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



45.2950, 46.5216, 68.2203



49.3306, 46.5216, 58.9120



43.1570, 46.5216, 36.3962



39.4703, 46.5216, 43.2064

Sweetspot

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



45.2964, 46.5235, 68.2213



86.0034, 89.9327, 107.4336



50.9572, 59.6196, 64.6379



18.2061, 19.0235, 22.9623



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.



45.2964, 46.5235, 68.2213



65.0825, 66.3602, 103.9863



45.8974, 44.2031, 67.7418



11.3820, 11.8542, 14.9319



7.8164, 4.2794, 37.6065



0.4990, 0.3631, 2.1234

Inverse Universe

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



49.9581, 46.6912, 50.0975



73.5051, 66.8067, 71.2087



54.7215, 61.9301, 48.1003



11.9189, 11.8523, 12.8490



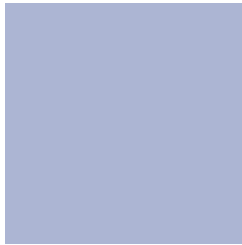
16.5761, 8.5033, 2.6739



0.9581, 0.4880, 0.3141

Previews

White Background



This preview shows how the XYZ color 45.2950, 46.5216, 68.2203 looks on a white background.

Color Contrast Check

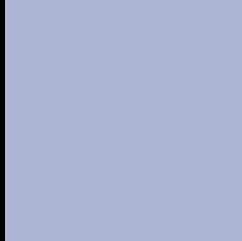
Large Text (above 18pt) WCAG AA × Fail

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 45.2950, 46.5216, 68.2203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

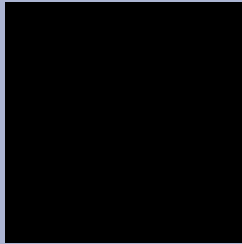
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2950, 46.5216, 68.2203

Background



This preview shows how black text looks on a background with the XYZ color 45.2950, 46.5216, 68.2203.



This preview shows how white text looks on a background with the XYZ color 45.2950, 46.5216,

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

45.2950, 46.5216, 68.2203

Protanopia

45.8586, 46.5258, 67.5361

Deuteranopia

47.3730, 46.3881, 68.7443



Tritanopia

43.7041, 46.4902, 60.0961

Trichromacy



Original Color

45.2950, 46.5216, 68.2203

Protanomaly

45.6333, 46.4096, 67.5256

Deuteranomaly

46.6265, 46.2976, 68.7662

Tritanomaly

44.3020, 46.4256, 63.1260

Monochromacy



Original Color

45.2950, 46.5216, 68.2203

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.7137, 46.7711, 57.1231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2950, 46.5216, 68.2203 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(172, 181, 211)` looks like.

```
.text, #text, p{  
    color:rgb(172, 181, 211)  
}
```

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(172, 181, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 181, 211) }
```

Border

The CSS property to change the border of an element to XYZ 45.2950, 46.5216, 68.2203 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(172, 181, 211) }
```


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

```
.border{ border-color:rgb(172, 181, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 181, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 181, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 181, 211);  
box-shadow:4px 4px 4px 4px rgb(172, 181,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2950, 46.5216, 68.2203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 181, 211) }
```

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

```
.background{ background-color: rgb(172,  
181, 211) }
```

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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