

Converting Colors

XYZ(50.8258, 50.5509, 85.3070)

Have a look what the booklet for
XYZ(50.8258, 50.5509, 85.3070)
contains.

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Color

**XYZ(50.9144, 50.5809,
85.6769)**

Conversions

Conversions Part 1

Format	Color
Hex	B2BAEB
RGB	178, 186, 235
RGB Percent	70%, 73%, 92%
CMY	0.3019, 0.2706, 0.0784
CMYK	0.24, 0.21, 0.00, 0.08
HSL	232°, 59%, 81%
HSV	232°, 24%, 92%
XYZ	50.9144, 50.5809, 85.6769
YIQ	189.1940, -20.4970, 13.5430

Conversions

Conversions Part 2

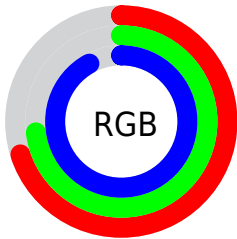
Format	Color
R _Y B	178, 185, 235
Decimal	11713259
CIE Lab	76.42, 7.69, -25.29
CIE LCh	76, 26.434, 286.917
Yxy	50.5809, 0.2720, 0.2702
Android (android.graphics.Color)	4289903339 (0xFFB2BAEB)
YUV	189.1940, 22.5824, -9.8171
Hunter-Lab	71.1203, 3.3262, -21.6411

Details

The XYZ color **50.9144, 50.5809, 85.6769** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.7667, 75.8152, 53.0777**, and the grayscale version is **48.3653, 50.8840, 55.4127**.

A 20% lighter version of the original color is **83.7338, 88.2167, 107.2220**, and **24.8364, 24.3148, 46.0320** is the 20% darker color. If you saturate the color by 10%, you get **42.0182, 40.1183, 84.1271**, and if you desaturate by 10%, it is **61.3391, 62.7270, 87.4727**.

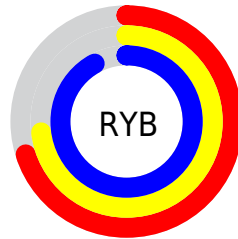
Distribution



Red (70%)

Green (73%)

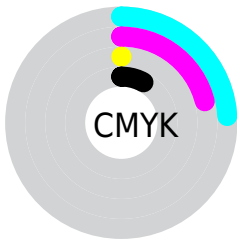
Blue (92%)



Red (70%)

Yellow (73%)

Blue (92%)

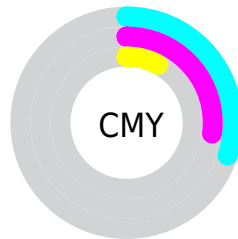


Cyan (24%)

Magenta (21%)

Yellow (0%)

Black (8%)



Cyan (30%)

Magenta (27%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9144, 50.5809, 85.6769 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 50.9144, 50.5809, 85.6769 by changing the saturation by 10% instead.

■ 50.9144, 50.5809,
85.6769

■ 50.9144, 50.5809,
85.6769

380.6243,
388.9333, 534.0681

■ 36.3613, 35.8752,
63.8475

■ 90.7120, 91.0350,
143.2011

■ 24.8847, 24.3378,
46.0817

116.6871,
117.5521, 179.7329

■ 16.1195, 15.5844,
31.9612

147.2003,
148.7752, 222.0026

■ 9.7001, 9.2305,
21.0673

182.6169,
185.0886, 270.4287

■ 5.2613, 4.8919,
12.9815

223.3022,
226.8767, 325.4298

■ 2.4377, 2.1840,
7.2852

269.6216,

■ 0.8640, 0.7112,

274.5239, 387.4243

3.5600

321.9405,
328.4147, 456.8309

■ 0.0000, 0.0000,
1.3872

■ 0.0000, 0.0000,
0.1317

■ 50.9144, 50.5809,
85.6769

■ 50.9144, 50.5809,
85.6769

■ 42.0182, 40.1183,
84.1271

■ 61.3391, 62.7270,
87.4727

■ 34.5735, 31.2587,
82.8094

■ 73.3549, 76.6204,
89.5211

■ 28.5039, 23.9239,
81.7136

■ 87.0267, 92.3288,
91.8326

■ 23.7237, 18.0267,
80.8273

■ 91.9956, 98.7782,
92.8156

■ 20.1378, 13.4711,
80.1369

■ 17.6372, 10.1487,
79.6275

■ 16.0920, 7.9336,
79.2813

■ 15.5391, 7.0852,
79.1467

Harmonies

Analogous

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



45.9417, 50.5809, 86.3156



50.9144, 50.5809, 85.6769



55.4093, 50.5809, 75.9961

Triad

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



50.9144, 50.5809, 85.6769



54.9131, 50.5809, 37.3840



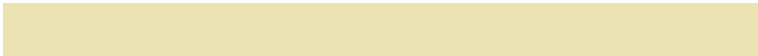
39.3437, 50.5809, 49.1000

Complementary

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



50.9144, 50.5809, 85.6769



69.7667, 75.8152, 53.0777

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.



41.4194, 50.5809, 38.3943



50.9144, 50.5809, 85.6769



50.2746, 50.5809, 32.4592

Square

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



50.9144, 50.5809, 85.6769



57.8249, 50.5809, 47.4777



45.3444, 50.5809, 32.7939



39.4888, 50.5809, 63.4402

Rectangle

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



50.9144, 50.5809, 85.6769



57.4276, 50.5809, 66.5335



45.3444, 50.5809, 32.7939



39.7984, 50.5809, 45.0122

Sweetspot

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



50.9160, 50.5829, 85.6781



84.0840, 87.3679, 107.0397



61.8589, 74.3984, 83.3767



17.8049, 18.4780, 22.8781



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.



50.9160, 50.5829, 85.6781



55.8426, 54.4994, 102.1840



54.1927, 49.8395, 85.3619



14.4017, 14.8899, 19.0372



8.7022, 4.0513, 44.0663



0.7369, 0.4253, 3.4781

Inverse Universe

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



59.0456, 53.0496, 53.5840



67.2255, 58.1086, 57.2118



65.7844, 77.0867, 53.5330



15.1516, 15.0885, 16.0835



19.2478, 9.9018, 1.8401



1.5385, 0.7883, 0.2869

Previews

White Background



This preview shows how the XYZ color 50.9144, 50.5809, 85.6769 looks on a white background.

Color Contrast Check

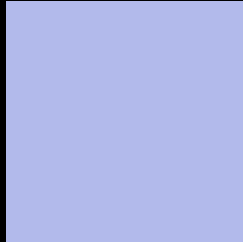
Large Text (above 18pt) WCAG AA × Fail

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 50.9144, 50.5809, 85.6769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

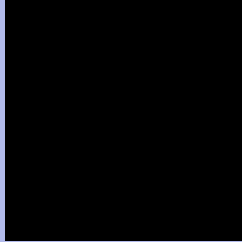
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9144, 50.5809, 85.6769

Background



This preview shows how black text looks on a background with the XYZ color 50.9144, 50.5809, 85.6769.



This preview shows how white text looks on a background with the XYZ color 50.9144, 50.5809,

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

50.9144, 50.5809, 85.6769

Protanopia

50.6858, 50.4631, 85.6662

Deuteranopia

51.8728, 50.7634, 85.6616



Tritanopia

46.7846, 50.4885, 65.6720

Trichromacy



Original Color

50.9144, 50.5809, 85.6769

Protanomaly

50.6858, 50.4631, 85.6662

Deuteranomaly

51.4004, 50.5198, 85.6395

Tritanomaly

48.1775, 50.4036, 72.8353

Monochromacy



Original Color

50.9144, 50.5809, 85.6769

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.1314, 50.7370, 65.5962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9144, 50.5809, 85.6769 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(178, 186, 235)` looks like.

```
.text, #text, p{  
    color:rgb(178, 186, 235)  
}
```

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(178, 186, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 186, 235) }
```

Border

The CSS property to change the border of an element to XYZ 50.9144, 50.5809, 85.6769 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(178, 186, 235) }
```


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

```
.border{ border-color:rgb(178, 186, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 186, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 186, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 186, 235);  
box-shadow:4px 4px 4px 4px rgb(178, 186,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9144, 50.5809, 85.6769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 186, 235) }
```

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

```
.background{ background-color: rgb(178,  
186, 235) }
```

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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