

Converting Colors

XYZ(50.9475, 52.3267, 86.0685)

Have a look what the booklet for
XYZ(50.9475, 52.3267, 86.0685)
contains.

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Color

**XYZ(50.8598, 52.1440,
85.9815)**

Conversions

Conversions Part 1

Format	Color
Hex	ADBFEB
RGB	173, 191, 235
RGB Percent	68%, 75%, 92%
CMY	0.3216, 0.2510, 0.0784
CMYK	0.26, 0.19, 0.00, 0.08
HSL	223°, 61%, 80%
HSV	223°, 26%, 92%
XYZ	50.8598, 52.1440, 85.9815
YIQ	190.6340, -24.8520, 9.8680

Conversions

Conversions Part 2

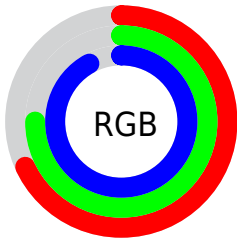
Format	Color
R _Y B	173, 187, 235
Decimal	11386859
CIE Lab	77.37, 3.48, -23.88
CIE LCh	77, 24.136, 278.300
Yxy	52.1440, 0.2691, 0.2759
Android (android.graphics.Color)	4289576939 (0xFFADBFE8)
YUV	190.6340, 21.8724, -15.4650
Hunter-Lab	72.2108, -0.6471, -20.0491

Details

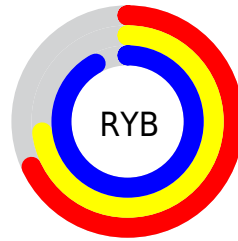
The XYZ color **50.8598, 52.1440, 85.9815** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.6174, 70.3056, 49.5959**, and the grayscale version is **49.1985, 51.7607, 56.3674**.

A 20% lighter version of the original color is **83.6239, 90.3995, 107.6491**, and **24.8329, 25.3536, 46.2327** is the 20% darker color. If you saturate the color by 10%, you get **42.6812, 42.8337, 84.6164**, and if you desaturate by 10%, it is **60.3698, 62.7578, 87.5298**.

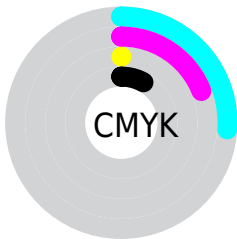
Distribution



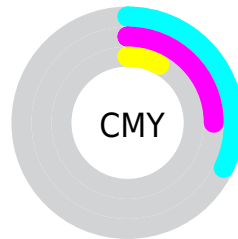
- Red (68%)
- Green (75%)
- Blue (92%)



- Red (68%)
- Yellow (73%)
- Blue (92%)



- Cyan (26%)
- Magenta (19%)
- Yellow (0%)
- Black (8%)



- Cyan (32%)
- Magenta (25%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8598, 52.1440, 85.9815 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 50.8598, 52.1440, 85.9815 by changing the saturation by 10% instead.

■ 50.8598, 52.1440,
85.9815

■ 50.8598, 52.1440,
85.9815

380.4155,
394.9923, 535.0993

■ 36.3176, 37.1199,
64.0979

■ 90.6317, 93.3436,
143.6300

■ 24.8509, 25.3003,
46.2833

116.5922,
120.2878, 180.2319

■ 16.0941, 16.3009,
32.1191

147.0895,
151.9742, 222.5770

■ 9.6820, 9.7374,
21.1869

182.4889,
188.7871, 271.0839

■ 5.2493, 5.2252,
13.0681

223.1559,
231.1110, 326.1710

■ 2.4305, 2.3800,
7.3442

269.4557,

■ 0.8604, 0.8156,

279.3302, 388.2569

3.5966

321.7538,
333.8292, 457.7601

■ 0.0000, 0.0000,
1.4068

■ 0.0000, 0.0000,
0.1470

■ 50.8598, 52.1440,
85.9815

■ 50.8598, 52.1440,
85.9815

■ 42.6812, 42.8337,
84.6164

■ 60.3698, 62.7578,
87.5298

■ 35.7674, 34.7685,
83.4240

■ 71.2637, 74.7182,
89.2642

■ 30.0531, 27.8942,
82.3983

■ 83.5973, 88.0738,
91.1921

■ 25.4650, 22.1502,
81.5314

■ 91.9956, 98.7782,
92.8156

■ 21.9212, 17.4696,
80.8148

■ 19.3274, 13.7776,
80.2389

■ 17.5685, 10.9861,
79.7927

■ 17.0767, 10.1605,
79.6593

Harmonies

Analogous

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



46.3368, 52.1440, 83.9636



50.8598, 52.1440, 85.9815



55.2961, 52.1440, 79.2685

Triad

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



50.8598, 52.1440, 85.9815



56.8939, 52.1440, 42.3730



41.7291, 52.1440, 47.8472

Complementary

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



50.8598, 52.1440, 85.9815



66.6174, 70.3056, 49.5959

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.



44.2374, 52.1440, 38.9999



50.8598, 52.1440, 85.9815



52.9320, 52.1440, 36.1995

Square

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



50.8598, 52.1440, 85.9815



58.9192, 52.1440, 53.1684



48.2851, 52.1440, 35.0690



41.2508, 52.1440, 60.5431

Rectangle

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



50.8598, 52.1440, 85.9815



57.5420, 52.1440, 71.2805



48.2851, 52.1440, 35.0690



42.3549, 52.1440, 44.3859

Sweetspot

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



50.8615, 52.1461, 85.9827



83.4933, 87.4427, 107.0853



59.3896, 73.2806, 76.2528



17.4326, 18.2368, 22.8512



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.



50.8615, 52.1461, 85.9827



55.3593, 56.1242, 102.5231



50.0446, 46.2510, 84.8879



14.5875, 15.2614, 19.0992



9.5991, 5.8451, 44.3653



0.8340, 0.6195, 3.5105

Inverse Universe

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



58.6099, 51.3124, 56.1076



66.3490, 55.3362, 60.0626



67.5606, 78.0594, 51.0428



15.2453, 15.1260, 16.5772



19.7005, 10.0829, 4.2240



1.5875, 0.8079, 0.5450

Previews

White Background



This preview shows how the XYZ color 50.8598, 52.1440, 85.9815 looks on a white background.

Color Contrast Check

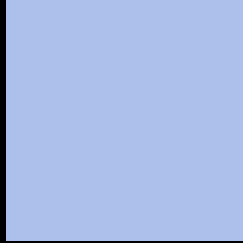
Large Text (above 18pt) WCAG AA × Fail

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 50.8598, 52.1440, 85.9815 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

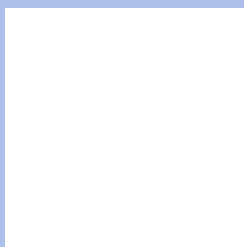
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8598, 52.1440, 85.9815

Background



This preview shows how black text looks on a background with the XYZ color 50.8598, 52.1440, 85.9815.



This preview shows how white text looks on a background with the XYZ color 50.8598, 52.1440,

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

50.8598, 52.1440, 85.9815

Protanopia

52.1049, 52.1595, 85.1635

Deuteranopia

53.1603, 52.0359, 86.5990



Tritanopia

47.4214, 52.0582, 69.1769

Trichromacy



Original Color

50.8598, 52.1440, 85.9815

Protanomaly

51.6248, 52.2324, 85.2028

Deuteranomaly

52.1796, 51.8463, 86.6141

Tritanomaly

48.7876, 52.2969, 75.2331

Monochromacy



Original Color

50.8598, 52.1440, 85.9815

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.6605, 51.9569, 66.4428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8598, 52.1440, 85.9815 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(173, 191, 235)` looks like.

```
.text, #text, p{  
    color:rgb(173, 191, 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(173, 191, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 191, 235) }
```

Border

The CSS property to change the border of an element to XYZ 50.8598, 52.1440, 85.9815 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(173, 191, 235) }
```


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

```
.border{ border-color:rgb(173, 191, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 191, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 191, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 191, 235);  
box-shadow:4px 4px 4px 4px rgb(173, 191,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8598, 52.1440, 85.9815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 191, 235) }
```

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

```
.background{ background-color: rgb(173,  
191, 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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