

Converting Colors

XYZ(51.8682, 51.9383, 86.0518)

Have a look what the booklet for
XYZ(51.8682, 51.9383, 86.0518)
contains.

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Color

**XYZ(51.7834, 51.9771,
85.9006)**

Conversions

Conversions Part 1

Format	Color
Hex	B3BDEB
RGB	179, 189, 235
RGB Percent	70%, 74%, 92%
CMY	0.2980, 0.2588, 0.0784
CMYK	0.24, 0.20, 0.00, 0.08
HSL	229°, 58%, 81%
HSV	229°, 24%, 92%
XYZ	51.7834, 51.9771, 85.9006
YIQ	191.2540, -20.7260, 12.1860

Conversions

Conversions Part 2

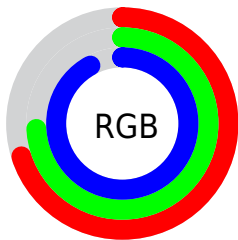
Format	Color
R_{YB}	179, 187, 235
Decimal	11779563
CIE _{Lab}	77.27, 6.36, -24.00
CIE _{LCh}	77, 24.825, 284.836
Yxy	51.9771, 0.2730, 0.2741
Android (android.graphics.Color)	4289969643 (0xFFB3BDEB)
YUV	191.2540, 21.5668, -10.7468
Hunter-Lab	72.0951, 2.0437, -20.1768

Details

The XYZ color **51.7834, 51.9771, 85.9006** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.3234, 74.7674, 53.4270**, and the grayscale version is **49.5573, 52.1382, 56.7785**.

A 20% lighter version of the original color is **84.9634, 90.1870, 107.5375**, and **25.3983, 25.2230, 46.1777** is the 20% darker color. If you saturate the color by 10%, you get **42.9285, 41.6541, 84.3756**, and if you desaturate by 10%, it is **62.1198, 63.8866, 87.6555**.

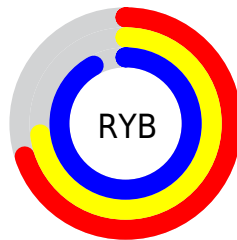
Distribution



Red (70%)

Green (74%)

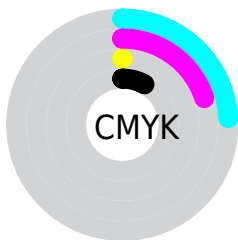
Blue (92%)



Red (70%)

Yellow (73%)

Blue (92%)

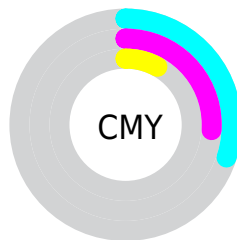


Cyan (24%)

Magenta (20%)

Yellow (0%)

Black (8%)



Cyan (30%)

Magenta (26%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7834, 51.9771, 85.9006 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 51.7834, 51.9771, 85.9006 by changing the saturation by 10% instead.

■ 51.7834, 51.9771,
85.9006

■ 51.7834, 51.9771,
85.9006

383.9375,
394.3482, 534.8255

■ 37.0560, 36.9868,
64.0314

■ 91.9878, 93.0975,
143.5161

■ 25.4247, 25.1973,
46.2297

118.1956,
119.9963, 180.0994

■ 16.5242, 16.2241,
32.0772

148.9609,
151.6335, 222.4245

■ 9.9890, 9.6829,
21.1551

184.6491,
188.3935, 270.9099

■ 5.4539, 5.1892,
13.0451

225.6255,
230.6605, 325.9742

■ 2.5534, 2.3587,
7.3285

272.2554,

■ 0.9223, 0.8045,

278.8190, 388.0358

3.5868

324.9043,
333.2535, 457.5134

■ 0.0000, 0.0000,
1.4015

■ 0.0000, 0.0000,
0.1429

■ 51.7834, 51.9771,
85.9006

■ 51.7834, 51.9771,
85.9006

■ 42.9285, 41.6541,
84.3756

■ 62.1198, 63.8866,
87.6555

■ 35.4817, 32.8439,
83.0676

■ 73.9967, 77.4399,
89.6455

■ 29.3703, 25.4761,
81.9676

■ 87.4762, 92.6988,
91.8803

■ 24.5133, 19.4722,
81.0647

■ 91.9956, 98.7782,
92.8156

■ 20.8208, 14.7457,
80.3470

■ 18.1898, 11.1999,
79.8013

■ 16.4983, 8.7231,
79.4123

■ 15.8225, 7.6521,
79.2412

Harmonies

Analogous

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



47.0471, 51.9771, 85.8494



51.7834, 51.9771, 85.9006



56.1407, 51.9771, 77.2901

Triad

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



51.7834, 51.9771, 85.9006



56.1810, 51.9771, 40.0520



41.0852, 51.9771, 50.0112

Complementary

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



51.7834, 51.9771, 85.9006



69.3234, 74.7674, 53.4270

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.



43.2266, 51.9771, 39.9679



51.7834, 51.9771, 85.9006



51.8355, 51.9771, 34.8782

Square

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



51.7834, 51.9771, 85.9006



58.7883, 51.9771, 50.1445



47.0961, 51.9771, 34.8501



41.0733, 51.9771, 63.5746

Rectangle

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



51.7834, 51.9771, 85.9006



58.1578, 51.9771, 68.4869



47.0961, 51.9771, 34.8501



41.5735, 51.9771, 46.1647

Sweetspot

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



51.7851, 51.9792, 85.9018



84.2849, 87.7698, 107.1067



61.8541, 74.4231, 82.1497



17.8513, 18.5707, 22.8936



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.



51.7851, 51.9792, 85.9018



56.4670, 55.7481, 102.3921



54.0729, 50.0741, 85.4135



14.4487, 14.9839, 19.0529



8.8712, 4.3895, 44.1226



0.7591, 0.4698, 3.4855

Inverse Universe

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



59.5677, 53.5779, 55.3484



67.5406, 58.2347, 58.8714



66.5407, 77.4650, 54.0944



15.1753, 15.0980, 16.2084



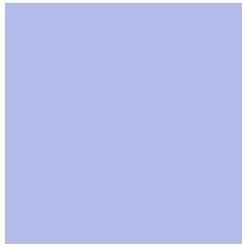
19.3331, 9.9359, 2.2894



1.5497, 0.7928, 0.3460

Previews

White Background



This preview shows how the XYZ color 51.7834, 51.9771, 85.9006 looks on a white background.

Color Contrast Check

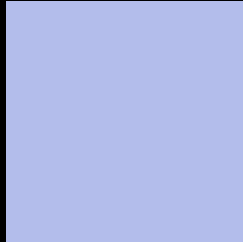
Large Text (above 18pt) WCAG AA × Fail

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 51.7834, 51.9771, 85.9006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

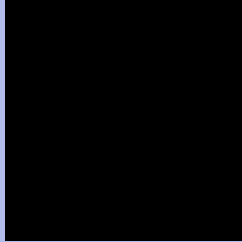
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7834, 51.9771, 85.9006

Background



This preview shows how black text looks on a background with the XYZ color 51.7834, 51.9771, 85.9006.



This preview shows how white text looks on a background with the XYZ color 51.7834, 51.9771,

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

51.7834, 51.9771, 85.9006

Protanopia

52.0154, 52.0966, 85.9114

Deuteranopia

53.0154, 51.9779, 85.8358



Tritanopia

48.2560, 52.1857, 67.8511

Trichromacy



Original Color

51.7834, 51.9771, 85.9006

Protanomaly

52.0154, 52.0966, 85.9114

Deuteranomaly

52.5071, 52.0319, 85.8730

Tritanomaly

49.4090, 51.9913, 73.7609

Monochromacy



Original Color

51.7834, 51.9771, 85.9006

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

50.1695, 51.8967, 66.4043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7834, 51.9771, 85.9006 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(179, 189, 235)` looks like.

```
.text, #text, p{  
    color:rgb(179, 189, 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(179, 189, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 189, 235) }
```

Border

The CSS property to change the border of an element to XYZ 51.7834, 51.9771, 85.9006 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(179, 189, 235) }
```


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

```
.border{ border-color:rgb(179, 189, 235) }
```

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

Here you see how a box with a 4 pixel rgb(179, 189, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 189, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 189, 235);  
box-shadow:4px 4px 4px 4px rgb(179, 189,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7834, 51.9771, 85.9006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 189, 235) }
```

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

```
.background{ background-color: rgb(179,  
189, 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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