

Converting Colors

XYZ(56.0772, 57.5844, 86.4539)

Have a look what the booklet for
XYZ(56.0772, 57.5844, 86.4539)
contains.

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Color

**XYZ(56.1579, 57.5364,
86.7431)**

Conversions

Conversions Part 1

Format	Color
Hex	BCC7EB
RGB	188, 199, 235
RGB Percent	74%, 78%, 92%
CMY	0.2627, 0.2196, 0.0784
CMYK	0.20, 0.15, 0.00, 0.08
HSL	226°, 54%, 83%
HSV	226°, 20%, 92%
XYZ	56.1579, 57.5364, 86.7431
YIQ	199.8150, -18.1120, 8.8640

Conversions

Conversions Part 2

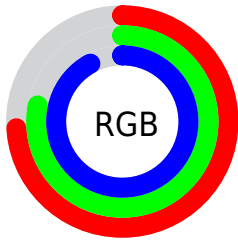
Format	Color
RYB	188, 197, 235
Decimal	12371947
CIELab	80.48, 3.70, -19.06
CIELCh	80, 19.415, 280.976
Yxy	57.5364, 0.2802, 0.2871
Android (android.graphics.Color)	4290562027 (0xFFBCC7EB)
YUV	199.8150, 17.3462, -10.3618
Hunter-Lab	75.8528, -0.5891, -14.7055

Details

The XYZ color **56.1579, 57.5364, 86.7431** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.9943, 74.6045, 58.2895**, and the grayscale version is **54.6921, 57.5403, 62.6614**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **28.0936, 28.5738, 46.6824** is the 20% darker color. If you saturate the color by 10%, you get **46.9343, 46.9942, 85.1953**, and if you desaturate by 10%, it is **66.8176, 69.5490, 88.5009**.

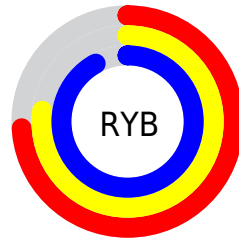
Distribution



Red (74%)

Green (78%)

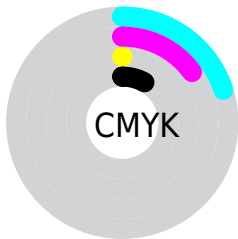
Blue (92%)



Red (74%)

Yellow (77%)

Blue (92%)

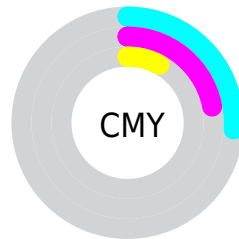


Cyan (20%)

Magenta (15%)

Yellow (0%)

Black (8%)



Cyan (26%)

Magenta (22%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1579, 57.5364, 86.7431 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 56.1579, 57.5364, 86.7431 by changing the saturation by 10% instead.

■ 56.1579, 57.5364,
86.7431

■ 56.1579, 57.5364,
86.7431

400.3517,
415.4562, 537.6726

■ 40.5670, 41.4361,
64.7242

■ 98.3739, 101.2474,
144.7017

■ 28.1671, 28.6600,
46.7876

125.7297,
129.6269, 181.4785

■ 18.5928, 18.8237,
32.5146

157.7379,
162.8683, 224.0117

■ 11.4786, 11.5430,
21.4868

194.7638,
201.3558, 272.7199

■ 6.4594, 6.4333,
13.2856

237.1728,
245.4740, 328.0215

■ 3.1697, 3.1103,
7.4925

285.3302,

■ 1.2441, 1.1896,

295.6072, 390.3351

3.6889

339.6013,
352.1398, 460.0793

■ 0.1408, 0.0532,
1.4563

■ 0.0000, 0.0000,
0.1850

■ 56.1579, 57.5364,
86.7431

■ 56.1579, 57.5364,
86.7431

■ 46.9343, 46.9942,
85.1953

■ 66.8176, 69.5490,
88.5009

■ 39.0788, 37.8577,
83.8458

■ 78.9665, 83.0790,
90.4721

■ 32.5258, 30.0679,
82.6876

■ 91.3614, 97.5098,
92.6043

■ 27.2023, 23.5588,
81.7118

■ 91.9956, 98.7782,
92.8157

■ 23.0273, 18.2582,
80.9088

■ 19.9099, 14.0864,
80.2678

■ 17.7438, 10.9528,
79.7772

■ 16.3623, 8.7317,
79.4212

■ 16.3622, 8.7316,
79.4212

Harmonies

Analogous

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



52.2278, 57.5364, 85.7570



56.1579, 57.5364, 86.7431



59.8644, 57.5364, 80.7104

Triad

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



56.1579, 57.5364, 86.7431



60.6754, 57.5364, 49.3362



47.7606, 57.5364, 55.7657

Complementary

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



56.1579, 57.5364, 86.7431



69.9943, 74.6045, 58.2895

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.



49.8164, 57.5364, 47.5029



56.1579, 57.5364, 86.7431



57.2215, 57.5364, 44.1140

Square

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



56.1579, 57.5364, 86.7431



62.5556, 57.5364, 58.5631



53.2413, 57.5364, 43.4863



47.5069, 57.5364, 66.9172

Rectangle

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



56.1579, 57.5364, 86.7431



61.6611, 57.5364, 73.9040



53.2413, 57.5364, 43.4863



48.2590, 57.5364, 52.5961

Sweetspot

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



56.1597, 57.5387, 86.7444



86.0183, 89.9626, 107.4386



63.8016, 75.4504, 81.1907



18.2096, 19.0306, 22.9635



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.



56.1597, 57.5387, 86.7444



62.8334, 63.8361, 103.6177



56.7327, 54.2111, 86.0719



14.5174, 15.1212, 19.0758



9.1872, 5.0213, 44.2280



0.7934, 0.5382, 3.4969

Inverse Universe

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



62.5545, 57.7537, 61.8860



71.8880, 64.3149, 68.3809



69.2951, 78.7763, 59.1316



15.2099, 15.1118, 16.3909



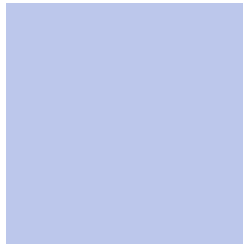
19.4926, 9.9997, 3.1292



1.5670, 0.7997, 0.4370

Previews

White Background



This preview shows how the XYZ color 56.1579, 57.5364, 86.7431 looks on a white background.

Color Contrast Check

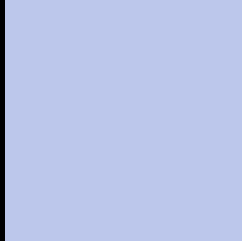
Large Text (above 18pt) WCAG AA × Fail

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 56.1579, 57.5364, 86.7431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

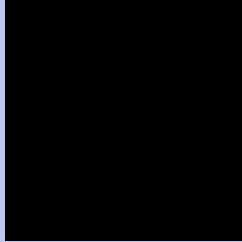
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.1579, 57.5364, 86.7431

Background



This preview shows how black text looks on a background with the XYZ color 56.1579, 57.5364, 86.7431.

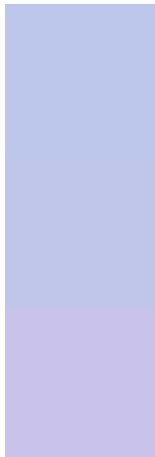


This preview shows how white text looks on a background with the XYZ color 56.1579, 57.5364,

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

56.1579, 57.5364, 86.7431

Protanopia

56.7836, 57.5351, 85.9545

Deuteranopia

58.7428, 57.5038, 87.3602



Tritanopia

53.7830, 57.6173, 74.6163

Trichromacy



Original Color

56.1579, 57.5364, 86.7431

Protanomaly

56.5312, 57.4050, 85.9427

Deuteranomaly

57.6452, 57.2717, 87.3732

Tritanomaly

54.5909, 57.5942, 78.7606

Monochromacy



Original Color

56.1579, 57.5364, 86.7431

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

55.4295, 57.8484, 71.1952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1579, 57.5364, 86.7431 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(188, 199, 235)` looks like.

```
.text, #text, p{  
    color:rgb(188, 199, 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(188, 199, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 199, 235) }
```

Border

The CSS property to change the border of an element to XYZ 56.1579, 57.5364, 86.7431 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(188, 199, 235) }
```


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

```
.border{ border-color:rgb(188, 199, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 199, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 199, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 199, 235);  
box-shadow:4px 4px 4px 4px rgb(188, 199,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1579, 57.5364, 86.7431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 199, 235) }
```

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

```
.background{ background-color: rgb(188,  
199, 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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