

Converting Colors

XYZ(55.6830, 56.9511, 86.6551)

Have a look what the booklet for
XYZ(55.6830, 56.9511, 86.6551)
contains.

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Color

**XYZ(55.6830, 56.9511,
86.6551)**

Conversions

Conversions Part 1

Format	Color
Hex	BBC6EB
RGB	187, 198, 235
RGB Percent	73%, 78%, 92%
CMY	0.2667, 0.2235, 0.0784
CMYK	0.20, 0.16, 0.00, 0.08
HSL	226°, 55%, 83%
HSV	226°, 20%, 92%
XYZ	55.6830, 56.9511, 86.6551
YIQ	198.9290, -18.4330, 9.1750

Conversions

Conversions Part 2

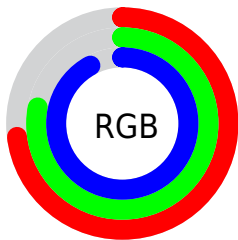
Format	Color
R _Y B	187, 196, 235
Decimal	12306155
CIE Lab	80.15, 3.93, -19.56
CIE LCh	80, 19.953, 281.346
Yxy	56.9511, 0.2794, 0.2858
Android (android.graphics.Color)	4290496235 (0xFFBBC6EB)
YUV	198.9290, 17.7830, -10.4617
Hunter-Lab	75.4660, -0.3581, -15.2546

Details

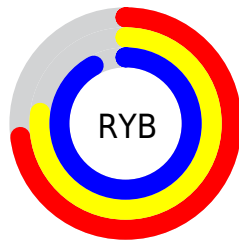
The XYZ color **55.6830, 56.9511, 86.6551** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.8868, 74.5615, 57.7236**, and the grayscale version is **54.1469, 56.9668, 62.0368**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **27.7828, 28.1877, 46.6243** is the 20% darker color. If you saturate the color by 10%, you get **46.5021, 46.4362, 85.1103**, and if you desaturate by 10%, it is **66.3034, 68.9460, 88.4115**.

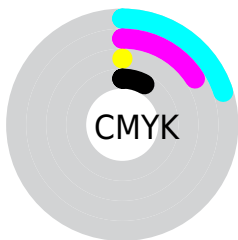
Distribution



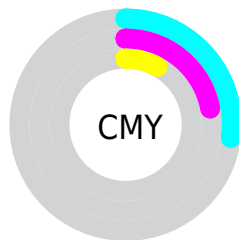
- Red (73%)
- Green (78%)
- Blue (92%)



- Red (73%)
- Yellow (77%)
- Blue (92%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)
- Black (8%)



- Cyan (27%)
- Magenta (22%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6830, 56.9511, 86.6551 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 55.6830, 56.9511, 86.6551 by changing the saturation by 10% instead.

■ 55.6830, 56.9511,
86.6551

■ 55.6830, 56.9511,
86.6551

398.5902,
413.2661, 537.3756

■ 40.1848, 40.9660,
64.6518

■ 97.6834, 100.3938,
144.5779

■ 27.8675, 28.2925,
46.7293

124.9164,
128.6202, 181.3346

■ 18.3658, 18.5463,
32.4689

156.7917,
161.6959, 223.8461

■ 11.3142, 11.3429,
21.4521

193.6746,
200.0051, 272.5310

■ 6.3474, 6.2980,
13.2604

235.9306,
243.9323, 327.8079

■ 3.1001, 3.0271,
7.4753

283.9250,

■ 1.2069, 1.1459,

293.8620, 390.0952

3.6782

338.0230,
350.1784, 459.8116

■ 0.1118, 0.0168,
1.4505

■ 0.0000, 0.0000,
0.1806

■ 55.6830, 56.9511,
86.6551

■ 55.6830, 56.9511,
86.6551

■ 46.5021, 46.4362,
85.1103

■ 66.3034, 68.9460,
88.4115

■ 38.6922, 37.3359,
83.7654

■ 78.4170, 82.4688,
90.3832

■ 32.1872, 29.5903,
82.6132

■ 91.1546, 97.0962,
92.5353

■ 26.9133, 23.1321,
81.6446

■ 91.9956, 98.7782,
92.8156

■ 22.7888, 17.8883,
80.8499

■ 19.7216, 13.7775,
80.2181

■ 17.6041, 10.7075,
79.7371

■ 16.3084, 8.6239,
79.4032

Harmonies

Analogous

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



51.6680, 56.9511, 85.7351



55.6830, 56.9511, 86.6551



59.4609, 56.9511, 80.3837

Triad

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



55.6830, 56.9511, 86.6551



60.2142, 56.9511, 48.3638



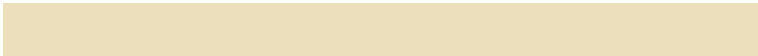
47.0557, 56.9511, 55.1207

Complementary

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



55.6830, 56.9511, 86.6551



69.8868, 74.5615, 57.7236

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.



49.1282, 56.9511, 46.6741



55.6830, 56.9511, 86.6551



56.6696, 56.9511, 43.1233

Square

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



55.6830, 56.9511, 86.6551



62.1630, 56.9511, 57.7086



52.6068, 56.9511, 42.5461



46.8212, 56.9511, 66.5201

Rectangle

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



55.6830, 56.9511, 86.6551



61.2848, 56.9511, 73.3781



52.6068, 56.9511, 42.5461



47.5555, 56.9511, 51.8813

Sweetspot

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



55.6848, 56.9534, 86.6564



85.9959, 89.9179, 107.4312



63.6305, 75.3535, 81.5710



18.2043, 19.0200, 22.9617



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.



55.6848, 56.9534, 86.6564



61.6368, 62.4049, 103.4045



56.5331, 53.7921, 86.0015



14.5113, 15.1091, 19.0738



9.1559, 4.9588, 44.2175



0.7901, 0.5318, 3.4959

Inverse Universe

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



62.2258, 57.2816, 61.2054



71.0492, 63.0803, 66.7355



68.8646, 78.5668, 58.5505



15.2069, 15.1106, 16.3748



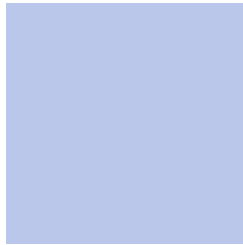
19.4768, 9.9934, 3.0460



1.5653, 0.7991, 0.4284

Previews

White Background



This preview shows how the XYZ color 55.6830, 56.9511, 86.6551 looks on a white background.

Color Contrast Check

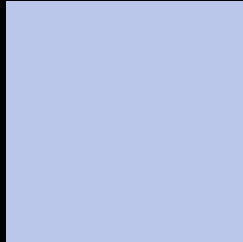
Large Text (above 18pt) WCAG AA × Fail

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 55.6830, 56.9511, 86.6551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

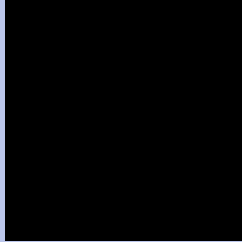
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.6830, 56.9511, 86.6551

Background



This preview shows how black text looks on a background with the XYZ color 55.6830, 56.9511, 86.6551.



This preview shows how white text looks on a background with the XYZ color 55.6830, 56.9511,

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

55.6830, 56.9511, 86.6551

Protanopia

56.3034, 56.9494, 85.8667

Deuteranopia

58.2515, 56.9191, 87.2732



Tritanopia

53.1782, 56.9734, 73.8398

Trichromacy



Original Color

55.6830, 56.9511, 86.6551

Protanomaly

56.0527, 56.8202, 85.8550

Deuteranomaly

57.1611, 56.6884, 87.2861

Tritanomaly

54.1164, 57.0047, 78.6718

Monochromacy



Original Color

55.6830, 56.9511, 86.6551

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

54.8128, 57.2024, 70.4396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6830, 56.9511, 86.6551 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(187, 198, 235)` looks like.

```
.text, #text, p{  
    color:rgb(187, 198, 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(187, 198, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 198, 235) }
```

Border

The CSS property to change the border of an element to XYZ 55.6830, 56.9511, 86.6551 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(187, 198, 235) }
```


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

```
.border{ border-color:rgb(187, 198, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 198, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 198, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 198, 235);  
box-shadow:4px 4px 4px 4px rgb(187, 198,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6830, 56.9511, 86.6551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 198, 235) }
```

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

```
.background{ background-color: rgb(187,  
198, 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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