

Converting Colors

XYZ(58.2398, 76.0749, 56.9056)

Have a look what the booklet for
XYZ(58.2398, 76.0749, 56.9056)
contains.

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Color

**XYZ(58.3084, 76.1951,
56.9813)**

Conversions

Conversions Part 1

Format	Color
Hex	B0F2B8
RGB	176, 242, 184
RGB Percent	69%, 95%, 72%
CMY	0.3098, 0.0510, 0.2784
CMYK	0.27, 0.00, 0.24, 0.05
HSL	127°, 72%, 82%
HSV	127°, 27%, 95%
XYZ	58.3084, 76.1951, 56.9813
YIQ	215.6540, -20.7180, -32.0300

Conversions

Conversions Part 2

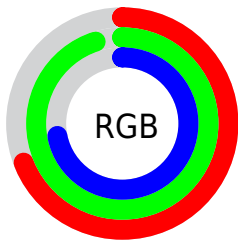
Format	Color
RYB	176, 235, 242
Decimal	11596472
CIELab	89.95, -31.83, 21.50
CIElCh	90, 38.413, 145.963
Yxy	76.1951, 0.3045, 0.3979
Android (android.graphics.Color)	4289786552 (0xFFB0F2B8)
YUV	215.6540, -15.6054, -34.7766
Hunter-Lab	87.2898, -33.5216, 22.3994

Details

The XYZ color **58.3084, 76.1951, 56.9813** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.9972, 55.8702, 85.0982**, and the grayscale version is **65.1494, 68.5423, 74.6425**.

A 20% lighter version of the original color is **85.0924, 95.1349, 96.3161**, and **29.6817, 40.8941, 27.8017** is the 20% darker color. If you saturate the color by 10%, you get **51.2524, 72.7983, 45.8762**, and if you desaturate by 10%, it is **66.6790, 80.2352, 69.9007**.

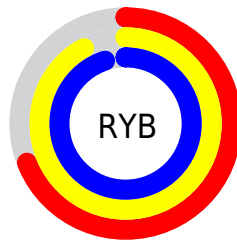
Distribution



Red (69%)

Green (95%)

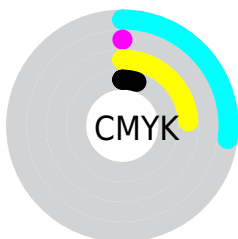
Blue (72%)



Red (69%)

Yellow (92%)

Blue (95%)

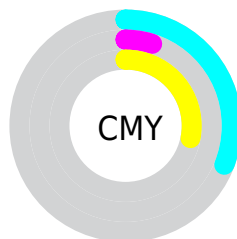


Cyan (27%)

Magenta (0%)

Yellow (24%)

Black (5%)



Cyan (31%)

Magenta (5%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3084, 76.1951, 56.9813 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 58.3084, 76.1951, 56.9813 by changing the saturation by 10% instead.

■ 58.3084, 76.1951,
56.9813

■ 58.3084, 76.1951,
56.9813

408.2695,
482.0153, 430.8710

■ 42.3009, 56.5925,
40.5810

■ 101.4922,
128.0027, 101.9380

■ 29.5291, 40.6782,
27.6746

129.3992,
160.9764, 131.3314

■ 19.6277, 28.0677,
17.8436

162.0034,
199.1760, 165.8929

■ 12.2314, 18.3767,
10.6695

199.6701,
242.9858, 206.0411

■ 6.9748, 11.2208,
5.7337

242.7647,
292.7902, 252.1944

■ 3.4925, 6.2155,
2.6177


291.6526,

■ 1.4193, 2.9766,


348.9737, 304.7715


0.9016


346.6990,
411.9206, 364.1909


 0.2699, 1.1195,
0.0000


 0.0000, 0.0000,
0.0000


 58.3084, 76.1951,
56.9813


 58.3084, 76.1951,
56.9813


 51.2524, 72.7983,
45.8762

 66.6790, 80.2352,
69.9007


 45.4384, 70.0026,
36.4992

 76.4202, 84.9394,
84.7051

 40.7955, 67.7755,
28.7651

 87.5920, 90.3392,
101.4676

 37.2437, 66.0777,
22.5791

 91.0436, 91.9872,
107.5645

■ 34.6923, 64.8647,
17.8369

■ 33.0363, 64.0849,
14.4213

■ 32.1416, 63.6720,
12.1963

■ 31.9796, 63.5976,
11.7743

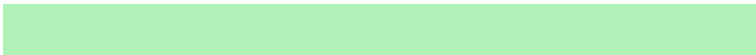
Harmonies

Analogous

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



64.7117, 76.1951, 44.2437



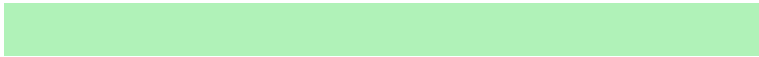
58.3084, 76.1951, 56.9813



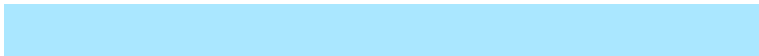
55.6785, 76.1951, 79.3329

Triad

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



58.3084, 76.1951, 56.9813



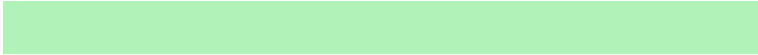
71.1421, 76.1951, 146.8880



90.1255, 76.1951, 62.0955

Complementary

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



58.3084, 76.1951, 56.9813



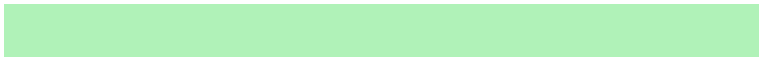
66.9972, 55.8702, 85.0982

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.



92.2229, 76.1951, 86.7032



58.3084, 76.1951, 56.9813



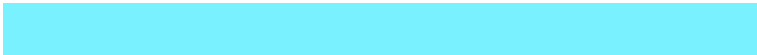
80.7198, 76.1951, 139.4761

Square

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



58.3084, 76.1951, 56.9813



62.6662, 76.1951, 134.3308



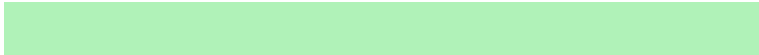
88.6450, 76.1951, 115.8419



83.1393, 76.1951, 46.7114

Rectangle

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



58.3084, 76.1951, 56.9813



56.2337, 76.1951, 98.2053



88.6450, 76.1951, 115.8419



91.4504, 76.1951, 69.3864

Sweetspot

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



58.3104, 76.1983, 56.9830



85.1857, 95.2328, 94.0685



73.6220, 84.1859, 53.4443



17.8611, 20.2040, 19.5716



0.0000, 0.0000, 0.0000



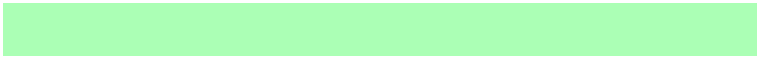
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.3104, 76.1983, 56.9830



60.8676, 83.4993, 56.6519



62.1443, 77.7319, 77.1721



15.6438, 17.6876, 17.1474



17.2048, 34.1739, 6.4614



1.4563, 2.8530, 0.6692

Inverse Universe

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



66.9972, 55.8702, 85.0982



72.2255, 56.9095, 93.4041



62.7236, 54.1607, 62.5935



16.3670, 15.9965, 19.4886



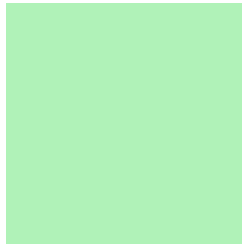
26.1350, 12.7264, 34.9570



2.1972, 1.0679, 3.0294

Previews

White Background



This preview shows how the XYZ color 58.3084, 76.1951, 56.9813 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 58.3084, 76.1951, 56.9813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

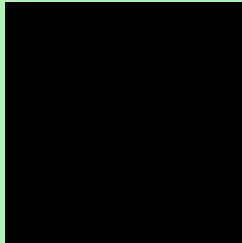
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.3084, 76.1951, 56.9813

Background



This preview shows how black text looks on a background with the XYZ color 58.3084, 76.1951, 56.9813.



This preview shows how white text looks on a background with the XYZ color 58.3084, 76.1951,

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

58.3084, 76.1951, 56.9813

Protanopia

70.6969, 75.5103, 51.9231

Deuteranopia

76.1617, 75.3429, 62.1582



Tritanopia

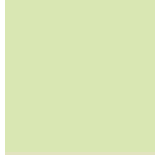
67.4486, 75.9975, 103.2095

Trichromacy



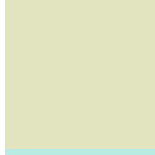
Original Color

58.3084, 76.1951, 56.9813



Protanomaly

65.3279, 75.1582, 53.7117



Deuteranomaly

68.2371, 74.8685, 60.1448



Tritanomaly

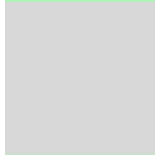
63.6277, 75.7273, 83.9363

Monochromacy



Original Color

58.3084, 76.1951, 56.9813



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

61.9117, 70.6276, 67.4961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3084, 76.1951, 56.9813 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(176, 242, 184)` looks like.

```
.text, #text, p{  
    color:rgb(176, 242, 184)  
}
```

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(176, 242, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 242, 184) }
```

Border

The CSS property to change the border of an element to XYZ 58.3084, 76.1951, 56.9813 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(176, 242, 184) }
```


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

```
.border{ border-color:rgb(176, 242, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 242, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 242, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 242, 184);  
box-shadow:4px 4px 4px 4px rgb(176, 242,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3084, 76.1951, 56.9813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 242, 184) }
```

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

```
.background{ background-color: rgb(176,  
242, 184) }
```

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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