

Converting Colors

XYZ(58.4183, 76.1357, 59.1854)

Have a look what the booklet for
XYZ(58.4183, 76.1357, 59.1854)
contains.

XYZ(58.5084, 76.2491, 59.2108)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.5084, 76.2491,
59.2108)**

Conversions

Conversions Part 1

Format	Color
Hex	AFF2BC
RGB	175, 242, 188
RGB Percent	69%, 95%, 74%
CMY	0.3137, 0.0510, 0.2627
CMYK	0.28, 0.00, 0.22, 0.05
HSL	132°, 72%, 82%
HSV	132°, 28%, 95%
XYZ	58.5084, 76.2491, 59.2108
YIQ	215.8110, -22.5980, -30.9980

Conversions

Conversions Part 2

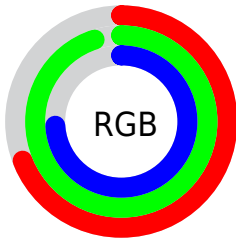
Format	Color
RYB	175, 231, 242
Decimal	11530940
CIELab	89.97, -31.45, 19.47
CIELCh	90, 36.992, 148.244
Yxy	76.2491, 0.3016, 0.3931
Android (android.graphics.Color)	4289721020 (0xFFAFF2BC)
YUV	215.8110, -13.7108, -35.7912
Hunter-Lab	87.3207, -33.2091, 20.9209

Details

The XYZ color **58.5084, 76.2491, 59.2108** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.0933, 55.1959, 81.3021**, and the grayscale version is **65.2446, 68.6424, 74.7516**.

A 20% lighter version of the original color is **85.3678, 95.2075, 99.4655**, and **29.8172, 40.9320, 29.2508** is the 20% darker color. If you saturate the color by 10%, you get **51.5935, 72.9133, 48.6436**, and if you desaturate by 10%, it is **66.6850, 80.2068, 71.3238**.

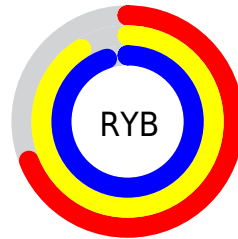
Distribution



Red (69%)

Green (95%)

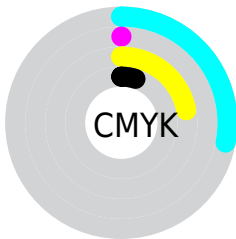
Blue (74%)



Red (69%)

Yellow (91%)

Blue (95%)

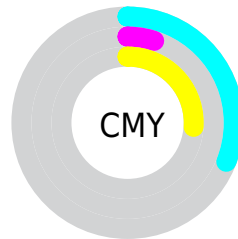


Cyan (28%)

Magenta (0%)

Yellow (22%)

Black (5%)



Cyan (31%)

Magenta (5%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5084, 76.2491, 59.2108 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 58.5084, 76.2491, 59.2108 by changing the saturation by 10% instead.

■ 58.5084, 76.2491,
59.2108

■ 58.5084, 76.2491,
59.2108

409.0011,
482.2000, 439.4063

■ 42.4624, 56.6368,
42.3617

■ 101.7816,
128.0790, 105.2161

■ 29.6562, 40.7137,
29.0569

129.7394,
161.0653, 135.2094

■ 19.7245, 28.0954,
18.8779

162.3985,
199.2784, 170.4212

■ 12.3021, 18.3976,
11.4062

200.1243,
243.1028, 211.2700

■ 7.0234, 11.2358,
6.2232

243.2821,
292.9227, 258.1744

■ 3.5232, 6.2257,
2.9103


292.2372,

■ 1.4361, 2.9828,


349.1226, 311.5528


1.0490


347.3551,
412.0869, 371.8240


 0.2817, 1.1228,
0.0000


 0.0000, 0.0000,
0.0000

 58.5084, 76.2491,
59.2108


 58.5084, 76.2491,
59.2108


 51.5935, 72.9133,
48.6436


 66.6850, 80.2068,
71.3238


 45.8708, 70.1583,
39.5549

 76.1759, 84.8059,
85.0358

 41.2735, 67.9534,
31.8802

 87.0383, 90.0768,
100.4042

 37.7254, 66.2608,
25.5482

 91.0436, 91.9873,
107.5645

■ 35.1408, 65.0379,
20.4813

■ 33.4197, 64.2349,
16.5939

■ 32.4316, 63.7866,
13.7891

■ 32.2659, 63.7122,
13.2819

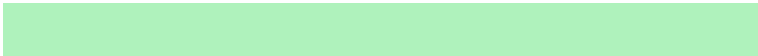
Harmonies

Analogous

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



64.4555, 76.2491, 46.0523



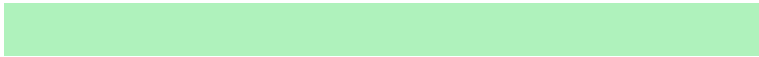
58.5084, 76.2491, 59.2108



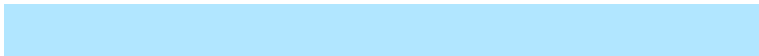
56.2597, 76.2491, 81.4869

Triad

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



58.5084, 76.2491, 59.2108



71.9344, 76.2491, 144.3116



89.1161, 76.2491, 61.3726

Complementary

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



58.5084, 76.2491, 59.2108



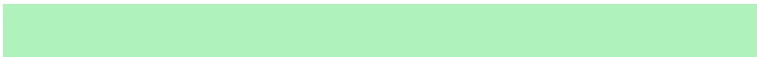
66.0933, 55.1959, 81.3021

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.



91.5343, 76.2491, 84.5768



58.5084, 76.2491, 59.2108



81.1281, 76.2491, 135.8378

Square

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



58.5084, 76.2491, 59.2108



63.5952, 76.2491, 133.7039



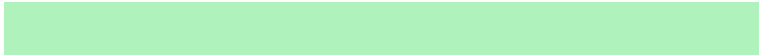
88.4984, 76.2491, 112.4894



82.1397, 76.2491, 47.1032

Rectangle

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



58.5084, 76.2491, 59.2108



57.0036, 76.2491, 99.8307



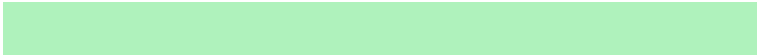
88.4984, 76.2491, 112.4894



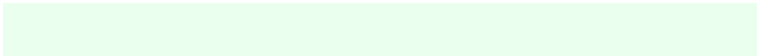
90.5136, 76.2491, 68.2151

Sweetspot

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



58.5104, 76.2523, 59.2125



85.4038, 95.3201, 95.2170



72.0353, 83.3793, 52.8552



17.9156, 20.2258, 19.8584



0.0000, 0.0000, 0.0000



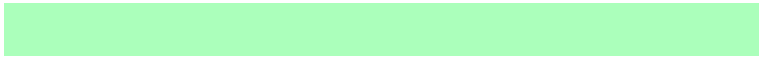
20.3446, 21.4041, 23.3091

Same Dimension

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



58.5104, 76.2523, 59.2125



61.5106, 83.7566, 60.0383



62.4559, 77.8305, 79.9890



15.6912, 17.7065, 17.3970



17.3702, 34.2401, 7.3326



1.4788, 2.8619, 0.7876

Inverse Universe

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



66.0933, 55.1959, 81.3021



71.3062, 56.5418, 88.5631



61.9387, 53.5341, 59.4240



16.3151, 15.9757, 19.2155



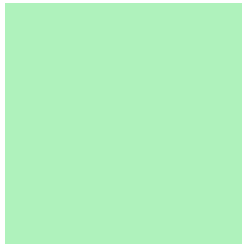
25.0148, 12.2784, 29.0584



2.1143, 1.0348, 2.5927

Previews

White Background



This preview shows how the XYZ color 58.5084, 76.2491, 59.2108 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 58.5084, 76.2491, 59.2108 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

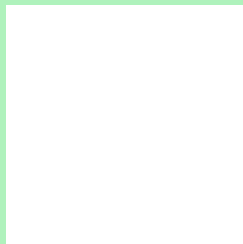
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.5084, 76.2491, 59.2108

Background



This preview shows how black text looks on a background with the XYZ color 58.5084, 76.2491, 59.2108.

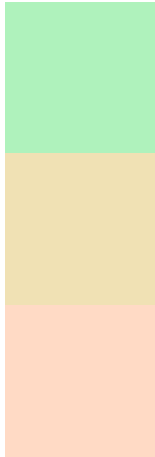


This preview shows how white text looks on a background with the XYZ color 58.5084, 76.2491,

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

58.5084, 76.2491, 59.2108

Protanopia

71.0986, 75.6710, 54.0387

Deuteranopia

76.3894, 75.4340, 63.3574



Tritanopia

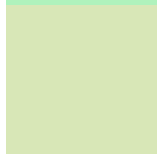
67.2031, 75.8709, 103.1980

Trichromacy



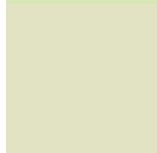
Original Color

58.5084, 76.2491, 59.2108



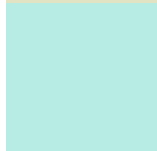
Protanomaly

65.4421, 75.1697, 55.8598



Deuteranomaly

68.5707, 75.0020, 61.9017



Tritanomaly

63.6667, 75.7153, 85.3877

Monochromacy



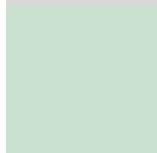
Original Color

58.5084, 76.2491, 59.2108



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

62.1532, 70.7242, 68.7678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5084, 76.2491, 59.2108 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(175, 242, 188)` looks like.

```
.text, #text, p{  
    color:rgb(175, 242, 188)  
}
```

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(175, 242, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 242, 188) }
```

Border

The CSS property to change the border of an element to XYZ 58.5084, 76.2491, 59.2108 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(175, 242, 188) }
```


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

```
.border{ border-color:rgb(175, 242, 188) }
```

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

Here you see how a box with a 4 pixel rgb(175, 242, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 242, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 242, 188);  
box-shadow:4px 4px 4px 4px rgb(175, 242,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5084, 76.2491, 59.2108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 242, 188) }
```

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

```
.background{ background-color: rgb(175,  
242, 188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor