

# Converting Colors

XYZ(58.1029, 74.3759, 68.4204)

Have a look what the booklet for  
XYZ(58.1029, 74.3759, 68.4204)  
contains.

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# Color

**XYZ(58.1278, 74.5277,  
68.4484)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9EFCC
RGB	169, 239, 204
RGB Percent	66%, 94%, 80%
CMY	0.3372, 0.0627, 0.2000
CMYK	0.29, 0.00, 0.15, 0.06
HSL	150°, 69%, 80%
HSV	150°, 29%, 94%
XYZ	58.1278, 74.5277, 68.4484
YIQ	214.0800, -30.4850, -25.7250

# Conversions

## Conversions Part 2

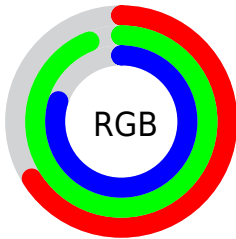
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 216, 239
Decimal	11136972
CIELab	89.17, -28.91, 10.00
CIELCh	89, 30.596, 160.921
Yxy	74.5277, 0.2890, 0.3706
Android (android.graphics.Color)	4289327052 (0xFFA9EFCC)
YUV	214.0800, -4.9694, -39.5352
Hunter-Lab	86.3294, -30.8879, 13.4211

# Details

The XYZ color **58.1278, 74.5277, 68.4484** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.6862, 51.0881, 63.7923**, and the grayscale version is **64.0191, 67.3531, 73.3475**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **29.5087, 39.7138, 34.9644** is the 20% darker color. If you saturate the color by 10%, you get **52.0830, 71.5728, 60.9688**, and if you desaturate by 10%, it is **65.2239, 78.0159, 76.5546**.

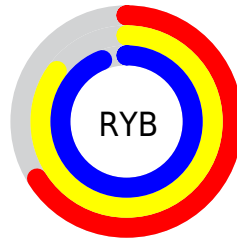
# Distribution



Red (66%)

Green (94%)

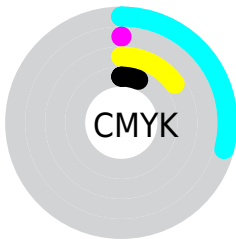
Blue (80%)



Red (66%)

Yellow (85%)

Blue (94%)

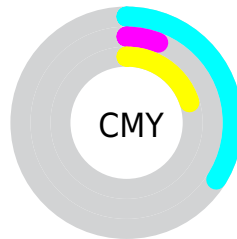


Cyan (29%)

Magenta (0%)

Yellow (15%)

Black (6%)



Cyan (34%)

Magenta (6%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1278, 74.5277, 68.4484 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 58.1278, 74.5277, 68.4484 by changing the saturation by 10% instead.



■ 58.1278, 74.5277,  
68.4484

■ 58.1278, 74.5277,  
68.4484

407.6082,  
476.2926, 473.7242

■ 42.1551, 55.2261,  
49.7937

■ 101.2308,  
125.6436, 118.6537

■ 29.4144, 39.5827,  
34.8794

129.0918,  
158.2266, 151.0412

■ 19.5404, 27.2134,  
23.2872

161.6463,  
196.0055, 188.8435

■ 12.1677, 17.7335,  
14.5984

199.2596,  
239.3648, 232.4790

■ 6.9310, 10.7588,  
8.3946

242.2971,  
288.6887, 282.3663

■ 3.4649, 5.9049,  
4.2571

291.1241,


■ 1.4041, 2.7873,


344.3617, 338.9239


1.7674


346.1060,  
406.7682, 402.5704


 0.2592, 1.0217,  
0.4063


 0.0000, 0.0000,  
0.0000

 58.1278, 74.5277,  
68.4484


 58.1278, 74.5277,  
68.4484


 52.0830, 71.5728,  
60.9688


 65.2239, 78.0159,  
76.5546


 47.0297, 69.1147,  
54.0954

 73.4148, 82.0534,  
85.2970

 42.9116, 67.1265,  
47.8140

 82.7489, 86.6670,  
94.6916

 39.6636, 65.5750,  
42.1077

 89.6477, 90.0117,  
104.5825

■ 37.2118, 64.4225,  
36.9587

■ 90.1579, 90.2158,  
107.2693

■ 35.4690, 63.6243,  
32.3480

■ 34.3004, 63.1113,  
28.2537

■ 34.2276, 63.0797,  
27.9814

# Harmonies

## Analogous

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



61.8509, 74.5277, 53.8994



58.1278, 74.5277, 68.4484



57.6662, 74.5277, 89.1816

# Triad

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



58.1278, 74.5277, 68.4484



73.5886, 74.5277, 128.5311



82.2358, 74.5277, 57.1064

# Complementary

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



58.1278, 74.5277, 68.4484



60.6862, 51.0881, 63.7923

# 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.



85.8730, 74.5277, 73.6119



58.1278, 74.5277, 68.4484



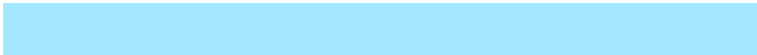
80.6525, 74.5277, 116.3108

# Square

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



58.1278, 74.5277, 68.4484



66.2509, 74.5277, 126.4870



85.2740, 74.5277, 95.3286

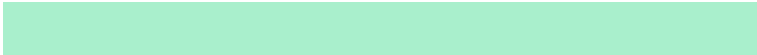


75.6287, 74.5277, 48.1894

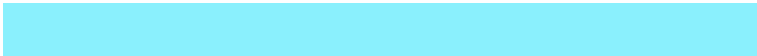


# Rectangle

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



58.1278, 74.5277, 68.4484



59.2309, 74.5277, 104.1382



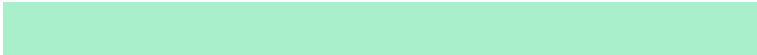
85.2740, 74.5277, 95.3286



83.8666, 74.5277, 61.8179

# Sweetspot

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



58.1298, 74.5308, 68.4501



85.3120, 95.1870, 99.0864



63.2533, 77.6038, 49.1824



17.9453, 20.2184, 20.8815



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

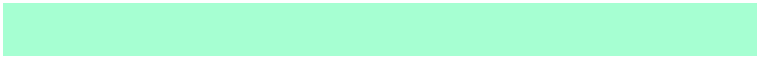


# Same Dimension

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



58.1298, 74.5308, 68.4501



63.1129, 84.2718, 74.1564



62.6394, 76.3346, 92.1969



15.8955, 17.7882, 18.4727



18.9804, 34.8842, 15.8115



1.6292, 2.9221, 1.5798



# Inverse Universe

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



60.6862, 51.0881, 63.7923



66.5107, 53.1136, 67.9657



57.0583, 49.6369, 44.6876



16.1024, 15.8907, 18.0957



21.5947, 10.9103, 11.0481

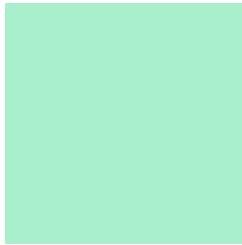


1.8467, 0.9277, 1.1836



# Previews

## White Background



This preview shows how the XYZ color 58.1278, 74.5277, 68.4484 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 58.1278, 74.5277, 68.4484 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

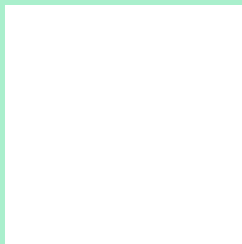
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.1278, 74.5277, 68.4484**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.1278, 74.5277, 68.4484.



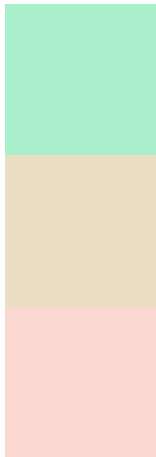
This preview shows how white text looks on a background with the XYZ color 58.1278, 74.5277,

68.4484.

# 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

58.1278, 74.5277, 68.4484

### Protanopia

70.1697, 74.2079, 62.2550

### Deuteranopia

75.2334, 73.5283, 70.5488



## **Tritanopia**

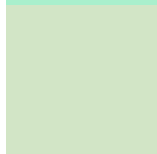
64.8596, 74.2620, 102.1823

# Trichromacy



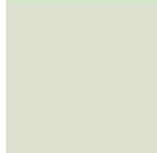
## Original Color

58.1278, 74.5277, 68.4484



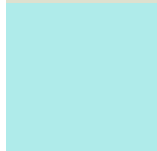
## Protanomaly

64.7907, 73.8175, 64.2594



## Deuteranomaly

67.7369, 73.1885, 69.5881



## Tritanomaly

62.2388, 74.4711, 88.9359

# Monochromacy



## Original Color

58.1278, 74.5277, 68.4484



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

61.3092, 69.4343, 71.1436

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.1278, 74.5277, 68.4484 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(169, 239, 204)` looks like.

```
.text, #text, p{  
    color:rgb(169, 239, 204)  
}
```

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(169, 239, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 239, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 58.1278, 74.5277, 68.4484 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(169, 239, 204) }
```



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

```
.border{ border-color:rgb(169, 239, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 239, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 239, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 239, 204);  
box-shadow:4px 4px 4px 4px rgb(169, 239,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.1278, 74.5277, 68.4484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 239, 204) }
```

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

```
.background{ background-color: rgb(169,  
239, 204) }
```

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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