

# Converting Colors

XYZ(58.4999, 69.5869, 86.0985)

Have a look what the booklet for  
XYZ(58.4999, 69.5869, 86.0985)  
contains.

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# Color

**XYZ(58.5294, 69.6913,  
85.9683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9E4E7
RGB	169, 228, 231
RGB Percent	66%, 89%, 91%
CMY	0.3372, 0.1059, 0.0941
CMYK	0.27, 0.01, 0.00, 0.09
HSL	183°, 56%, 78%
HSV	183°, 27%, 91%
XYZ	58.5294, 69.6913, 85.9683
YIQ	210.7010, -36.1270, -11.5750

# Conversions

## Conversions Part 2

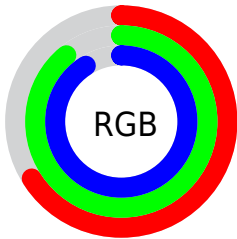
Format	Color
<b>RYB</b>	169, 199, 231
Decimal	11134183
CIELab	86.85, -17.91, -7.53
CIELCh	87, 19.433, 202.805
Yxy	69.6913, 0.2733, 0.3254
Android (android.graphics.Color)	4289324263 (0xFFA9E4E7)
YUV	210.7010, 10.0074, -36.5718
Hunter-Lab	83.4813, -20.9446, -2.6194

# Details

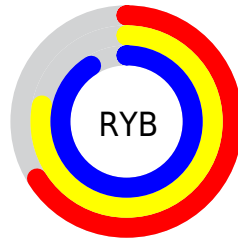
The XYZ color **58.5294, 69.6913, 85.9683** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.8699, 49.3591, 44.1729**, and the grayscale version is **61.6744, 64.8863, 70.6612**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **29.5606, 36.2450, 45.9954** is the 20% darker color. If you saturate the color by 10%, you get **53.6991, 66.7483, 85.6560**, and if you desaturate by 10%, it is **64.2412, 73.0952, 86.3254**.

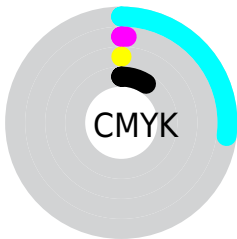
# Distribution



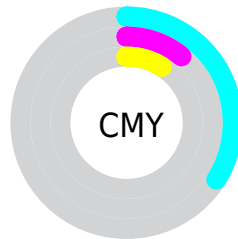
- Red (66%)
- Green (89%)
- Blue (91%)



- Red (66%)
- Yellow (78%)
- Blue (91%)



- Cyan (27%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (34%)
- Magenta (11%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5294, 69.6913, 85.9683 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 58.5294, 69.6913, 85.9683 by changing the saturation by 10% instead.



■ 58.5294, 69.6913,  
85.9683

■ 58.5294, 69.6913,  
85.9683

409.0778,  
459.4654, 535.0546

■ 42.4793, 51.2749,  
64.0870

■ 101.8119,  
118.7684, 143.6114

■ 29.6695, 36.4274,  
46.2745

129.7751,  
150.1979, 180.2103

■ 19.7347, 24.7645,  
32.1123

162.4400,  
186.7340, 222.5522

■ 12.3095, 15.9017,  
21.1817

200.1719,  
228.7609, 271.0555

■ 7.0285, 9.4546,  
13.0644

243.3364,  
276.6631, 326.1389

■ 3.5264, 5.0389,  
7.3416

292.2986,

■ 1.4379, 2.2701,

330.8250, 388.2208

3.5950

347.4240,  
391.6309, 457.7199

■ 0.2830, 0.7578,  
1.4059

■ 0.0000, 0.0000,  
0.1463

■ 58.5294, 69.6913,  
85.9683

■ 58.5294, 69.6913,  
85.9683

■ 53.6991, 66.7483,  
85.6560

■ 64.2412, 73.0952,  
86.3254

■ 49.6982, 64.2341,  
85.3816

■ 70.8712, 76.9736,  
86.7246

■ 46.4784, 62.1255,  
85.1443

■ 78.4612, 81.3499,  
87.1693

■ 43.9840, 60.3937,  
84.9415

■ 84.6535, 85.0086,  
87.5491

42.1518, 59.0062,  
84.7702

84.9698, 85.6411,  
87.6545

40.9079, 57.9250,  
84.6271

85.2880, 86.2775,  
87.7606

40.1576, 57.1012,  
84.5076

85.6082, 86.9180,  
87.8673

39.9736, 56.8687,  
84.4724

85.9305, 87.5625,  
87.9747

86.2547, 88.2110,  
88.0828

# Harmonies

## Analogous

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



57.9673, 69.6913, 72.8000



58.5294, 69.6913, 85.9683



61.1116, 69.6913, 97.5406

# Triad

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



58.5294, 69.6913, 85.9683



73.4238, 69.6913, 91.9852



67.3366, 69.6913, 53.7240

# Complementary

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



58.5294, 69.6913, 85.9683



54.8699, 49.3591, 44.1729

# 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.



71.6465, 69.6913, 57.6932



58.5294, 69.6913, 85.9683



75.2634, 69.6913, 79.0498

# Square

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



58.5294, 69.6913, 85.9683



69.6736, 69.6913, 101.2815



74.5986, 69.6913, 66.6171



62.9201, 69.6913, 55.1292

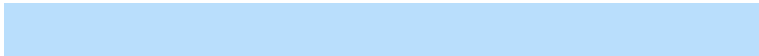


# Rectangle

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



58.5294, 69.6913, 85.9683



63.6975, 69.6913, 102.2973



74.5986, 69.6913, 66.6171



68.8483, 69.6913, 54.4570

# Sweetspot

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



58.5314, 69.6941, 85.9699



87.6252, 95.7065, 108.4626



52.2965, 68.5310, 49.0344



18.4752, 20.3220, 23.1987



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.



58.5314, 69.6941, 85.9699



69.8865, 85.1786, 107.3654



50.9663, 54.5638, 83.4482



14.7446, 16.2106, 18.4962



22.4366, 31.9353, 47.3648



1.6765, 2.3969, 3.5063



# Inverse Universe

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



61.1482, 50.9679, 80.0168



73.6816, 58.2693, 98.6759



61.2540, 62.1273, 46.3010



14.9634, 14.6026, 18.0078



25.7185, 12.4216, 39.0080

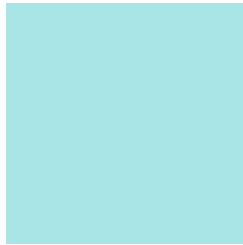


1.9098, 0.9216, 2.9317



# Previews

## White Background



This preview shows how the XYZ color 58.5294, 69.6913, 85.9683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

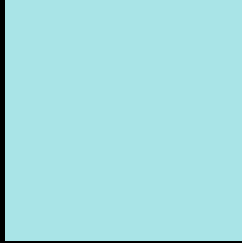
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.5294, 69.6913, 85.9683 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

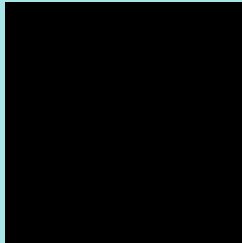
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.5294, 69.6913, 85.9683**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.5294, 69.6913, 85.9683.



This preview shows how white text looks on a background with the XYZ color 58.5294, 69.6913,



# 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

58.5294, 69.6913, 85.9683

### Protanopia

67.2238, 69.5536, 80.4031

### Deuteranopia

70.9228, 69.4097, 88.2566



## Tritanopia

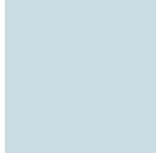
60.5387, 69.6950, 95.8497

# Trichromacy



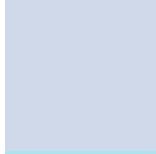
## Original Color

58.5294, 69.6913, 85.9683



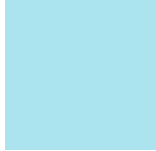
## Protanomaly

63.5457, 69.1500, 82.6711



## Deuteranomaly

65.6766, 68.9761, 87.6941



## Tritanomaly

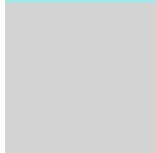
59.8437, 69.8281, 91.9854

# Monochromacy



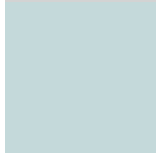
## Original Color

58.5294, 69.6913, 85.9683



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

60.2327, 66.4234, 75.9761

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.5294, 69.6913, 85.9683 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, 228, 231)` looks like.

```
.text, #text, p{  
    color:rgb(169, 228, 231)  
}
```

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, 228, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 228, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 58.5294, 69.6913, 85.9683 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, 228, 231) }
```



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

```
.border{ border-color:rgb(169, 228, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 228, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 228, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 228, 231);  
box-shadow:4px 4px 4px 4px rgb(169, 228,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.5294, 69.6913, 85.9683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 228, 231) }
```

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

```
.background{ background-color: rgb(169,  
228, 231) }
```

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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