

# Converting Colors

XYZ(51.0675, 64.9757, 85.3045)

Have a look what the booklet for  
XYZ(51.0675, 64.9757, 85.3045)  
contains.

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# Color

**XYZ(51.1359, 65.0678,  
85.4655)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84E2E7
RGB	132, 226, 231
RGB Percent	52%, 89%, 91%
CMY	0.4823, 0.1137, 0.0941
CMYK	0.43, 0.02, 0.00, 0.09
HSL	183°, 67%, 71%
HSV	183°, 43%, 91%
XYZ	51.1359, 65.0678, 85.4655
YIQ	198.4640, -57.6290, -18.3730

# Conversions

## Conversions Part 2

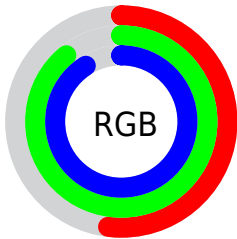
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 180, 231
Decimal	8708839
CIELab	84.52, -26.61, -11.18
CIELCh	85, 28.863, 202.794
Yxy	65.0678, 0.2536, 0.3226
Android (android.graphics.Color)	4286898919 (0xFF84E2E7)
YUV	198.4640, 16.0402, -58.2889
Hunter-Lab	80.6646, -28.0062, -6.3535

# Details

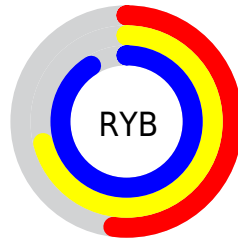
The XYZ color **51.1359, 65.0678, 85.4655** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.0666, 36.5471, 26.4577**, and the grayscale version is **53.8910, 56.6976, 61.7437**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **24.9366, 33.3004, 45.6708** is the 20% darker color. If you saturate the color by 10%, you get **47.6003, 62.7775, 85.2109**, and if you desaturate by 10%, it is **55.4773, 67.7798, 85.7613**.

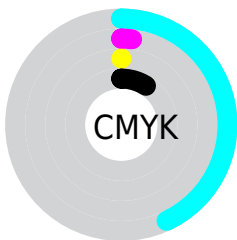
# Distribution



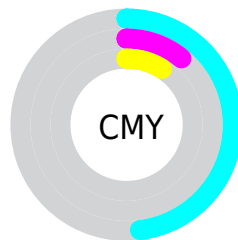
- Red (52%)
- Green (89%)
- Blue (91%)



- Red (52%)
- Yellow (71%)
- Blue (91%)



- Cyan (43%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)




- Cyan (48%)
- Magenta (11%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1359, 65.0678, 85.4655 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 51.1359, 65.0678, 85.4655 by changing the saturation by 10% instead.





 51.1359, 65.0678,  
85.4655


 51.1359, 65.0678,  
85.4655


381.4705,  
443.0356, 533.3518


 36.5383, 47.5161,  
63.6737


 91.0374, 112.1473,  
142.9033

 25.0222, 33.4438,  
45.9420


 117.0720,  
142.4439, 179.3864

 16.2224, 22.4666,  
31.8517


 147.6496,  
177.7575, 221.6037

 9.7735, 14.2002,  
20.9844

183.1356,  
218.4726, 269.9737

 5.3102, 8.2600,  
12.9214

223.8953,  
264.9736, 324.9150

 2.4670, 4.2618,  
7.2444

270.2942,

 0.8786, 1.8211,

317.6448, 386.8461

3.5346

322.6974,  
376.8707, 456.1855

■ 0.0000, 0.5002,  
1.3737

■ 0.0000, 0.0000,  
0.1211

■ 51.1359, 65.0678,  
85.4655

■ 51.1359, 65.0678,  
85.4655

■ 47.6003, 62.7775,  
85.2109

■ 55.4773, 67.7798,  
85.7613

■ 44.8112, 60.8737,  
84.9904


■ 60.6671, 70.9308,  
86.0960


■ 42.7108, 59.3281,  
84.8028


■ 66.7520, 74.5465,  
86.4731


■ 41.2299, 58.1051,  
84.6448


■ 73.7734, 78.6481,  
86.8948


 40.2851, 57.1616,  
84.5125


 81.7703, 83.2559,  
87.3627

 39.8443, 56.6102,  
84.4293

 84.8032, 85.3079,  
87.5989

 85.1344, 85.9704,  
87.7093

 85.4678, 86.6372,  
87.8205

 85.8034, 87.3084,  
87.9323

# Harmonies

## Analogous

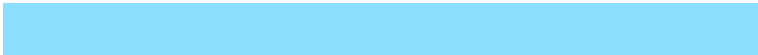
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.3753, 65.0678, 66.4998



51.1359, 65.0678, 85.4655



54.6683, 65.0678, 102.9460

# Triad

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



51.1359, 65.0678, 85.4655



72.2208, 65.0678, 94.4799



63.4083, 65.0678, 41.2126

# Complementary

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



51.1359, 65.0678, 85.4655



46.0666, 36.5471, 26.4577

# 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.



69.6238, 65.0678, 46.2290



51.1359, 65.0678, 85.4655



74.9355, 65.0678, 75.3812

# Square

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



51.1359, 65.0678, 85.4655



66.7581, 65.0678, 108.7477



73.9537, 65.0678, 57.9998



57.1790, 65.0678, 42.9686

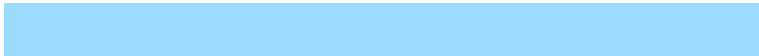


# Rectangle

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



51.1359, 65.0678, 85.4655



58.2605, 65.0678, 110.3260



73.9537, 65.0678, 57.9998



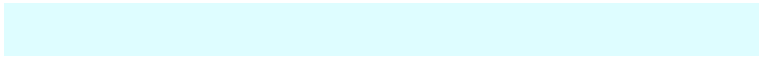
65.5736, 65.0678, 42.1284

# Sweetspot

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



51.1378, 65.0703, 85.4670



83.3567, 93.1828, 108.2005



42.6048, 63.8634, 33.7311



17.4600, 19.7196, 23.1360



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.



51.1378, 65.0703, 85.4670



60.2014, 78.9787, 106.6792



39.5744, 41.9435, 81.6126



14.7418, 16.2051, 18.4952



22.3653, 31.7927, 47.3410



1.6720, 2.3879, 3.5048



# Inverse Universe

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



54.9354, 38.9841, 76.5836



65.5781, 42.7189, 93.9502



54.7751, 53.9642, 29.3605



14.9620, 14.6020, 18.0005



25.6825, 12.4072, 38.8184

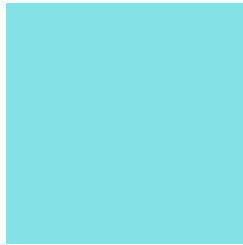


1.9076, 0.9207, 2.9197



# Previews

## White Background



This preview shows how the XYZ color 51.1359, 65.0678, 85.4655 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

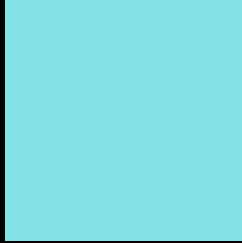
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.1359, 65.0678, 85.4655 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 51.1359, 65.0678, 85.4655

## Background



This preview shows how black text looks on a background with the XYZ color 51.1359, 65.0678, 85.4655.



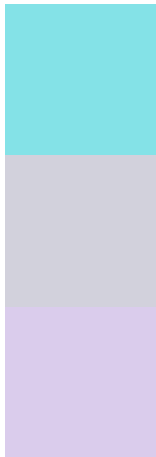
This preview shows how white text looks on a background with the XYZ color 51.1359, 65.0678,

85.4655.

# 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

51.1359, 65.0678, 85.4655

### Protanopia

62.2971, 64.4699, 76.8707

### Deuteranopia

65.6466, 64.1473, 88.2786



## Tritanopia

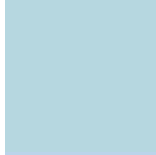
52.6743, 64.8730, 93.7499

# Trichromacy



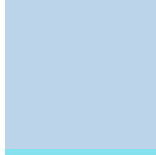
## Original Color

51.1359, 65.0678, 85.4655



## Protanomaly

57.0464, 63.9278, 79.8536



## Deuteranomaly

58.8883, 63.5923, 87.0127



## Tritanomaly

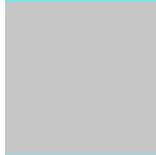
52.1893, 65.0918, 90.7022

# Monochromacy



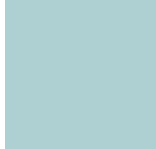
## Original Color

51.1359, 65.0678, 85.4655



## Achromatopsia

53.6758, 56.4712, 61.4971



## Achromatomaly

51.6443, 58.7636, 69.5933

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.1359, 65.0678, 85.4655 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(132, 226, 231)` looks like.

```
.text, #text, p{  
    color:rgb(132, 226, 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(132, 226, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 226, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 51.1359, 65.0678, 85.4655 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(132, 226, 231) }
```



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

```
.border{ border-color:rgb(132, 226, 231) }
```

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

Here you see how a box with a 4 pixel rgb(132, 226, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 226, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 226, 231);  
box-shadow:4px 4px 4px 4px rgb(132, 226,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.1359, 65.0678, 85.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 226, 231) }
```

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

```
.background{ background-color: rgb(132,  
226, 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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