

# Converting Colors

XYZ(64.9538, 85.6652, 54.1610)

Have a look what the booklet for  
XYZ(64.9538, 85.6652, 54.1610)  
contains.

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# Color

**XYZ(65.0823, 85.7310,  
54.1918)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BFFF80
RGB	191, 255, 176
RGB Percent	75%, 100%, 69%
CMY	0.2510, 0.0000, 0.3098
CMYK	0.25, 0.00, 0.31, 0.00
HSL	109°, 100%, 85%
HSV	109°, 31%, 100%
XYZ	65.0823, 85.7310, 54.1918
YIQ	226.8580, -12.7850, -38.1370

# Conversions

## Conversions Part 2

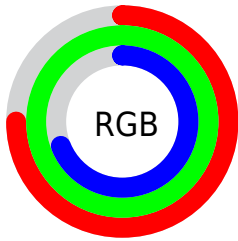
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 255, 240
Decimal	12582832
CIELab	94.20, -34.29, 31.50
CIElCh	94, 46.558, 137.427
Yxy	85.7310, 0.3175, 0.4182
Android (android.graphics.Color)	4290772912 (0xFFBFFF00)
YUV	226.8580, -25.0730, -31.4475
Hunter-Lab	92.5910, -36.5665, 30.1124

# Details

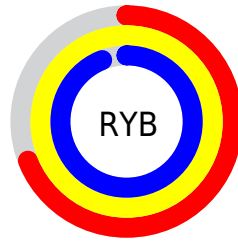
The XYZ color **65.0823, 85.7310, 54.1918** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **69.5116, 56.7972, 101.9070**, and the grayscale version is **73.0931, 76.8996, 83.7437**.

A 20% lighter version of the original color is **89.3924, 97.4859, 90.4491**, and **33.9226, 47.0525, 26.0330** is the 20% darker color. If you saturate the color by 10%, you get **57.9572, 82.3225, 41.9019**, and if you desaturate by 10%, it is **73.4151, 89.7072, 69.0146**.

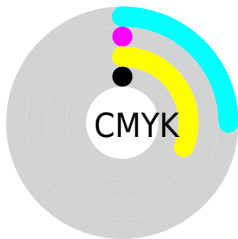
# Distribution



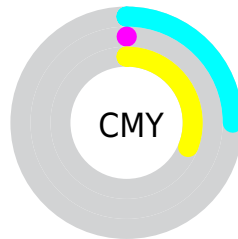
- Red (75%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (94%)



- Cyan (25%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0823, 85.7310, 54.1918 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 65.0823, 85.7310, 54.1918 by changing the saturation by 10% instead.





 65.0823, 85.7310,  
54.1918

 65.0823, 85.7310,  
54.1918

432.6282,  
514.0438, 420.0363

 47.7928, 64.4456,  
38.3608


 111.2332,  
141.3940, 97.8150

 33.8734, 47.0116,  
25.9588


140.8253,  
176.5404, 126.4444

 22.9588, 33.0449,  
16.5674


175.2490,  
217.0759, 160.1769

 14.6836, 22.1608,  
9.7678


214.8696,  
263.3849, 199.4311

 8.6825, 13.9751,  
5.1417

260.0524,  
315.8518, 244.6257

 4.5901, 8.1034,  
2.2705

311.1629,

 2.0411, 4.1612,

374.8610, 296.1790

0.7146

368.5664,  
440.7969, 354.5097

■ 0.6569, 1.7641,  
0.0000

■ 0.0000, 0.4647,  
0.0000

■ 65.0823, 85.7310,  
54.1918

■ 65.0823, 85.7310,  
54.1918

■ 57.9572, 82.3225,  
41.9019

■ 73.4151, 89.7072,  
69.0146

■ 51.9813, 79.4548,  
31.9995

■ 83.0075, 94.2753,  
86.4968

■ 47.0933, 77.0996,  
24.3303

■ 93.9099, 99.4584,  
106.7613

■ 43.2251, 75.2256,  
18.7208

■ 95.0500, 100.0000,  
108.9000

■ 40.3008, 73.7980,  
14.9714

■ 38.2328, 72.7769,  
12.8430

■ 36.9985, 72.1585,  
11.9780

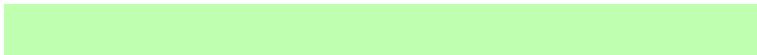
# Harmonies

## Analogous

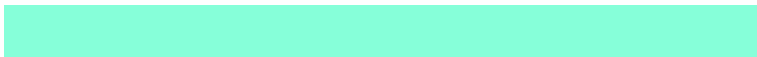
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.5172, 85.7310, 41.9876



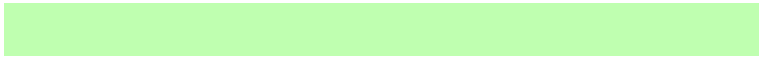
65.0823, 85.7310, 54.1918



60.2640, 85.7310, 79.1908

# Triad

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



65.0823, 85.7310, 54.1918



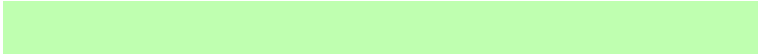
76.3792, 85.7310, 177.6209



106.5510, 85.7310, 74.2660

# Complementary

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



65.0823, 85.7310, 54.1918



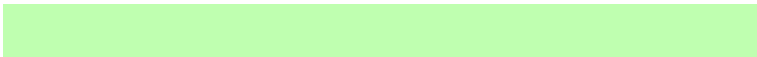
69.5116, 56.7972, 101.9070

# Split Complementary

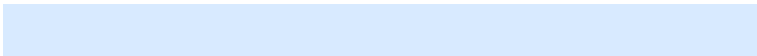
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.1803, 85.7310, 109.0960



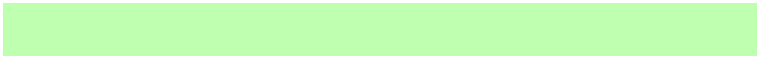
65.0823, 85.7310, 54.1918



88.8736, 85.7310, 175.3213

# Square

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



65.0823, 85.7310, 54.1918



66.3253, 85.7310, 153.5500



100.4346, 85.7310, 147.8946

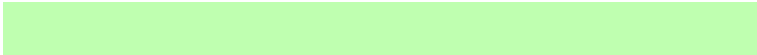


98.7941, 85.7310, 51.3820



# Rectangle

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



65.0823, 85.7310, 54.1918



59.9590, 85.7310, 102.5007



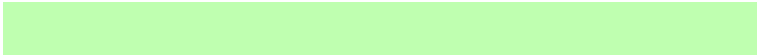
100.4346, 85.7310, 147.8946



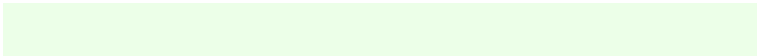
107.6294, 85.7310, 84.7542

# Sweetspot

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



65.0827, 85.7311, 54.1931



85.0600, 95.2517, 90.2834



80.0019, 86.2451, 53.5060



17.8824, 20.2337, 18.7263



0.0000, 0.0000, 0.0000

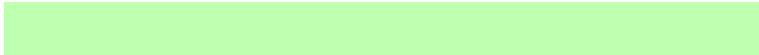


20.3446, 21.4041, 23.3091

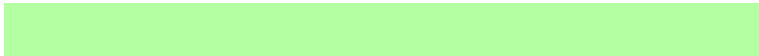


# Same Dimension

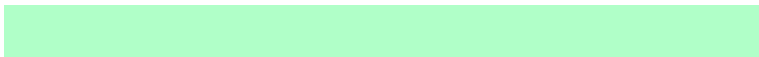
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.0827, 85.7311, 54.1931



60.6518, 83.6126, 46.4988



64.0555, 84.9066, 67.4735



18.0933, 20.3340, 19.1156



19.4238, 37.7514, 6.2630



1.9724, 3.7176, 0.6136



# Inverse Universe

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



69.5116, 56.7972, 101.9070



65.6879, 50.6071, 100.9138



71.2321, 58.0981, 83.2839



18.4347, 18.1158, 22.7750



22.9375, 10.7352, 50.2977

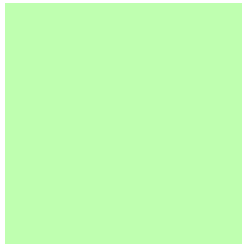


2.3164, 1.0880, 4.9012



# Previews

## White Background



This preview shows how the XYZ color 65.0823, 85.7310, 54.1918 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

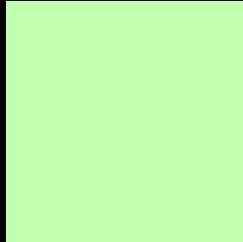
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.0823, 85.7310, 54.1918 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

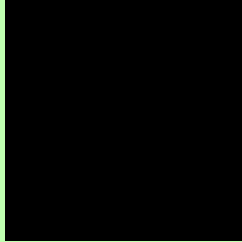
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.0823, 85.7310, 54.1918

## Background



This preview shows how black text looks on a background with the XYZ color 65.0823, 85.7310, 54.1918.



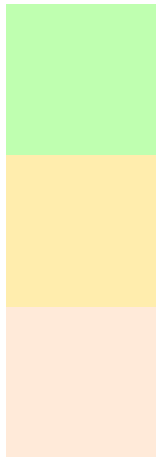
This preview shows how white text looks on a background with the XYZ color 65.0823, 85.7310,



# 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

65.0823, 85.7310, 54.1918

### Protanopia

79.0670, 84.8455, 51.7447

### Deuteranopia

83.1872, 85.1154, 77.6901



## Tritanopia

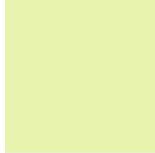
78.4174, 85.4760, 106.9732

# Trichromacy



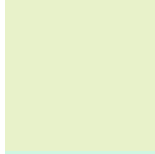
## Original Color

65.0823, 85.7310, 54.1918



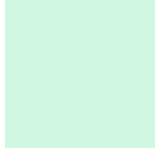
## Protanomaly

73.2694, 84.9132, 52.5726



## Deuteranomaly

75.6915, 84.9243, 68.2798



## Tritanomaly

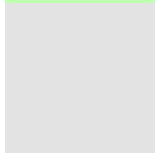
73.0007, 85.4224, 84.5921

# Monochromacy



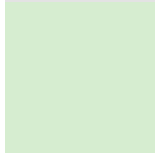
## Original Color

65.0823, 85.7310, 54.1918



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

69.4009, 79.4186, 71.3460

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.0823, 85.7310, 54.1918 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(191, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 176)  
}
```

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(191, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 65.0823, 85.7310, 54.1918 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(191, 255, 176) }
```



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

```
.border{ border-color:rgb(191, 255, 176) }
```

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

Here you see how a box with a 4 pixel rgb(191, 255, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.0823, 85.7310, 54.1918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 176) }
```

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

```
.background{ background-color: rgb(191,  
255, 176) }
```

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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