

# Converting Colors

XYZ(64.8880, 85.6019, 55.4860)

Have a look what the booklet for  
XYZ(64.8880, 85.6019, 55.4860)  
contains.

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# Color

**XYZ(64.8829, 85.5935,  
55.7493)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>BDFFB3</code>
RGB	189, 255, 179
RGB Percent	74%, 100%, 70%
CMY	0.2588, 0.0000, 0.2980
CMYK	0.26, 0.00, 0.30, 0.00
HSL	112°, 100%, 85%
HSV	112°, 30%, 100%
XYZ	64.8829, 85.5935, 55.7493
YIQ	226.6020, -14.9400, -37.6280

# Conversions

## Conversions Part 2

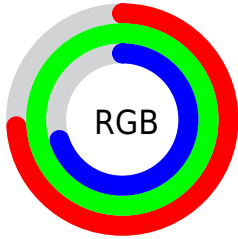
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 255, 245
Decimal	12451763
CIELab	94.14, -34.48, 29.89
CIElCh	94, 45.636, 139.079
Yxy	85.5935, 0.3146, 0.4150
Android (android.graphics.Color)	4290641843 (0xFFBDFFB3)
YUV	226.6020, -23.4678, -32.9770
Hunter-Lab	92.5168, -36.7205, 29.0344

# Details

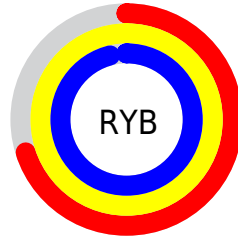
The XYZ color **64.8829, 85.5935, 55.7493** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **71.8273, 58.8739, 102.1858**, and the grayscale version is **72.8969, 76.6932, 83.5189**.

A 20% lighter version of the original color is **88.7614, 97.1110, 92.6633**, and **33.7915, 46.9629, 27.0224** is the 20% darker color. If you saturate the color by 10%, you get **57.4572, 82.0363, 43.1613**, and if you desaturate by 10%, it is **73.6253, 89.7742, 70.8909**.

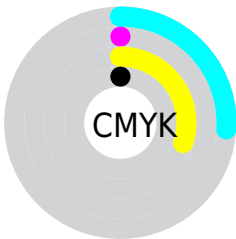
# Distribution



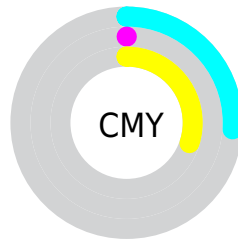
- Red (74%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (96%)



- Cyan (26%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)



- Cyan (26%)
- Magenta (0%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8829, 85.5935, 55.7493 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 64.8829, 85.5935, 55.7493 by changing the saturation by 10% instead.



64.8829, 85.5935,  
55.7493

64.8829, 85.5935,  
55.7493

431.9229,  
513.5899, 426.1078

47.6305, 64.3319,  
39.5993

110.9481,  
141.2021, 100.1201

33.7444, 46.9195,  
26.9149

140.4917,  
176.3179, 129.1779

22.8593, 32.9720,  
17.2774

174.8629,  
216.8205, 163.3755

14.6097, 22.1050,  
10.2684

214.4273,  
263.0943, 203.1313

8.6305, 13.9341,  
5.4694

259.5501,  
315.5238, 248.8639

4.5561, 8.0748,  
2.4617

310.5968,

2.0213, 4.1429,

374.4933, 300.9918

0.8198

367.9326,  
440.3872, 359.9336

0.6459, 1.7538,  
0.0000

0.0000, 0.4581,  
0.0000

64.8829, 85.5935,  
55.7493

64.8829, 85.5935,  
55.7493

57.4572, 82.0363,  
43.1613

73.6253, 89.7742,  
70.8909

51.2825, 79.0720,  
32.9825

83.7427, 94.6060,  
88.7117

46.2896, 76.6683,  
25.0601

95.0500, 100.0000,  
108.9000

42.4018, 74.7892,  
19.2226

■ 39.5331, 73.3948,  
15.2734

■ 37.5846, 72.4391,  
12.9787

■ 36.4219, 71.8609,  
11.9653

■ 36.4049, 71.8525,  
11.9502

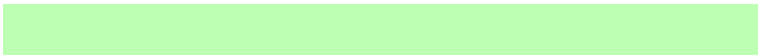
# Harmonies

## Analogous

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



73.9238, 85.5935, 43.0263



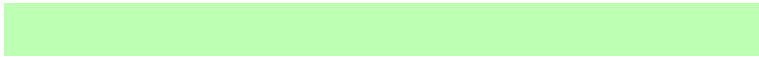
64.8829, 85.5935, 55.7493



60.4235, 85.5935, 81.0373

# Triad

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



64.8829, 85.5935, 55.7493



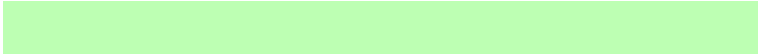
76.9894, 85.5935, 175.9641



105.6021, 85.5935, 72.9143

# Complementary

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



64.8829, 85.5935, 55.7493



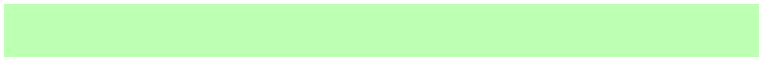
71.8273, 58.8739, 102.1858

# 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.



106.6333, 85.5935, 106.5156



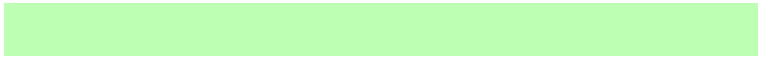
64.8829, 85.5935, 55.7493



89.2662, 85.5935, 172.2121

# Square

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



64.8829, 85.5935, 55.7493



66.9336, 85.5935, 153.7449



100.4005, 85.5935, 144.5007

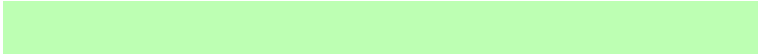


97.7098, 85.5935, 51.0875



# Rectangle

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



64.8829, 85.5935, 55.7493



60.3161, 85.5935, 104.2060



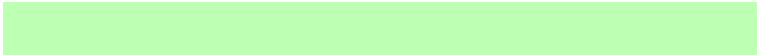
100.4005, 85.5935, 144.5007



106.7903, 85.5935, 82.9916

# Sweetspot

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



64.8834, 85.5937, 55.7506



84.6164, 95.0230, 90.2627



81.9891, 89.7391, 55.6492



17.7740, 20.1778, 18.7213



0.0000, 0.0000, 0.0000

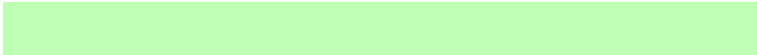


20.3446, 21.4041, 23.3091

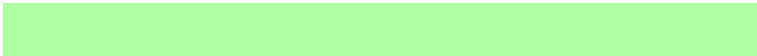


# Same Dimension

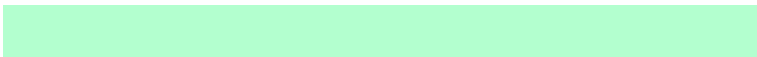
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.8834, 85.5937, 55.7506



60.1303, 83.3176, 47.6571



65.5973, 85.6025, 72.0126



17.9937, 20.2826, 19.1109



19.0903, 37.5795, 6.2474



1.9243, 3.6928, 0.6114



# Inverse Universe

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



71.8273, 58.8739, 102.1858



68.1182, 52.5264, 101.1561



71.2442, 59.0546, 80.4139



18.5437, 18.1720, 22.7801



25.1760, 11.8892, 50.4025

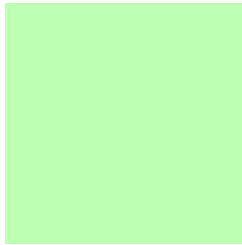


2.5138, 1.1898, 4.9104



# Previews

## White Background



This preview shows how the XYZ color 64.8829, 85.5935, 55.7493 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

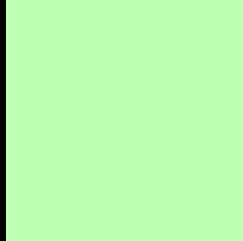
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.8829, 85.5935, 55.7493 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 64.8829, 85.5935, 55.7493**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.8829, 85.5935, 55.7493.



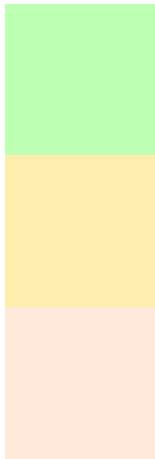
This preview shows how white text looks on a background with the XYZ color 64.8829, 85.5935,

55.7493.

# 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

64.8829, 85.5935, 55.7493

### Protanopia

79.0670, 84.8455, 51.7447

### Deuteranopia

83.0338, 84.5998, 78.2827



## Tritanopia

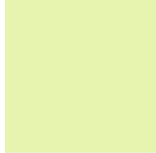
78.1210, 85.3232, 106.9593

# Trichromacy



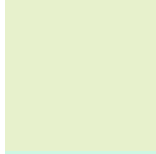
## Original Color

64.8829, 85.5935, 55.7493



## Protanomaly

73.0435, 84.7854, 53.0729



## Deuteranomaly

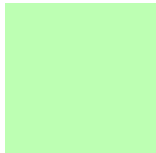
75.3094, 84.2592, 69.4212



## Tritanomaly

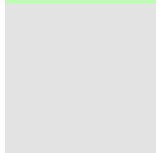
72.5795, 85.1894, 85.2909

# Monochromacy



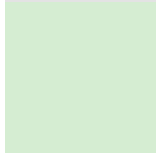
## Original Color

64.8829, 85.5935, 55.7493



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

69.3576, 79.3677, 72.6367

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.8829, 85.5935, 55.7493 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(189, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 179)  
}
```

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(189, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 64.8829, 85.5935, 55.7493 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(189, 255, 179) }
```



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

```
.border{ border-color:rgb(189, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.8829, 85.5935, 55.7493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 179) }
```

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

```
.background{ background-color: rgb(189,  
255, 179) }
```

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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