

# Converting Colors

XYZ(68.5592, 88.7221, 85.4013)

Have a look what the booklet for  
XYZ(68.5592, 88.7221, 85.4013)  
contains.

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# Color

**XYZ(67.3920, 86.2411,  
85.0458)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0FFE2
RGB	176, 255, 226
RGB Percent	69%, 100%, 89%
CMY	0.3098, 0.0000, 0.1137
CMYK	0.31, 0.00, 0.11, 0.00
HSL	158°, 100%, 85%
HSV	158°, 31%, 100%
XYZ	67.3920, 86.2411, 85.0458
YIQ	228.0730, -37.7750, -25.7670

# Conversions

## Conversions Part 2

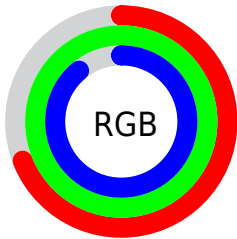
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 224, 255
Decimal	11599842
CIELab	94.42, -30.07, 6.18
CIELCh	94, 30.703, 168.381
Yxy	86.2411, 0.2824, 0.3613
Android (android.graphics.Color)	4289789922 (0xFFB0FFE2)
YUV	228.0730, -1.0220, -45.6680
Hunter-Lab	92.8661, -32.9800, 10.7091

# Details

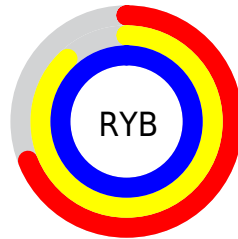
The XYZ color **67.3920, 86.2411, 85.0458** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.7854, 56.7196, 65.1334**, and the grayscale version is **73.8231, 77.6677, 84.5801**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **35.4299, 47.3934, 45.8086** is the 20% darker color. If you saturate the color by 10%, you get **60.9082, 83.0429, 78.2201**, and if you desaturate by 10%, it is **75.0306, 90.0264, 92.2944**.

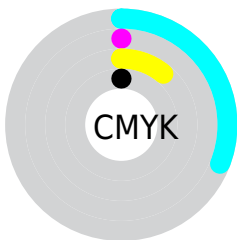
# Distribution



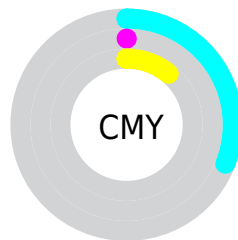
- Red (69%)
- Green (100%)
- Blue (89%)



- Red (69%)
- Yellow (88%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3920, 86.2411, 85.0458 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 67.3920, 86.2411, 85.0458 by changing the saturation by 10% instead.



67.3920, 86.2411,  
85.0458

67.3920, 86.2411,  
85.0458

440.7494,  
515.7259, 531.9281

49.6751, 64.8674,  
63.3289

114.5286,  
142.1059, 142.3119

35.3721, 47.3535,  
45.6646

144.6791,  
177.3657, 178.6981

24.1175, 33.3152,  
31.6345

179.7048,  
218.0231, 220.8112

15.5460, 22.3680,  
20.8200

219.9711,  
264.4623, 269.0697

9.2923, 14.1276,  
12.8025

265.8434,  
317.0678, 323.8920

4.9909, 8.2095,  
7.1636

317.6869,

2.2767, 4.2293,

376.2239, 385.6969

3.4846

375.8671,  
442.3152, 454.9027

■ 0.7827, 1.8026,  
1.3471

■ 0.0000, 0.4888,  
0.0999

■ 67.3920, 86.2411,  
85.0458

■ 67.3920, 86.2411,  
85.0458

■ 60.9082, 83.0429,  
78.2201

■ 75.0306, 90.0264,  
92.2944

■ 55.5147, 80.3989,  
71.8044

■ 83.8786, 94.4270,  
99.9699

■ 51.1446, 78.2746,  
65.7910

■ 93.9899, 99.4705,  
108.0818

■ 47.7219, 76.6310,  
60.1703

■ 95.0500, 100.0000,  
108.9000

■ 45.1597, 75.4234,  
54.9319

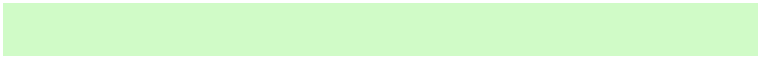
■ 43.3539, 74.5984,  
50.0645

■ 42.2280, 74.1072,  
45.9799

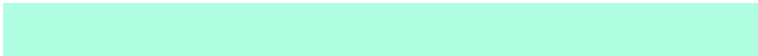
# Harmonies

## Analogous

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



70.6728, 86.2411, 66.8436



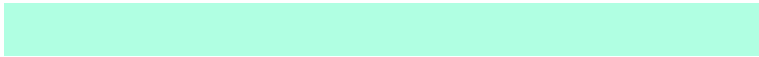
67.3920, 86.2411, 85.0458



67.8179, 86.2411, 108.9696

# Triad

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



67.3920, 86.2411, 85.0458



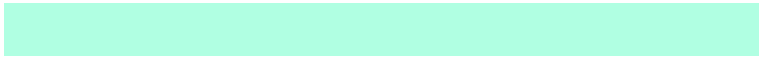
87.0745, 86.2411, 143.9520



92.9638, 86.2411, 63.8676

# Complementary

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



67.3920, 86.2411, 85.0458



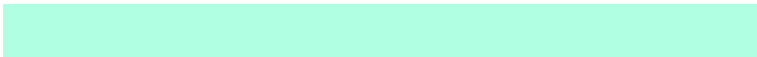
67.7854, 56.7196, 65.1334

# 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.



97.9645, 86.2411, 80.2914



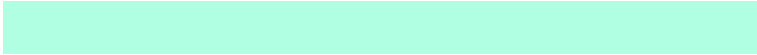
67.3920, 86.2411, 85.0458



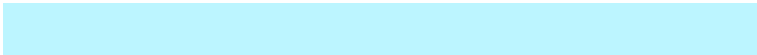
94.4102, 86.2411, 127.4247

# Square

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



67.3920, 86.2411, 85.0458



78.8160, 86.2411, 145.8041



98.5109, 86.2411, 103.3524

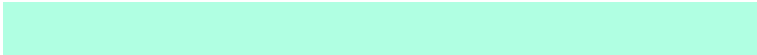


85.2062, 86.2411, 56.0599



# Rectangle

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



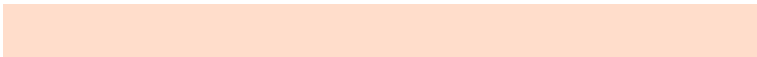
67.3920, 86.2411, 85.0458



70.1522, 86.2411, 125.0298



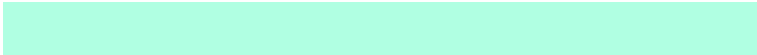
98.5109, 86.2411, 103.3524



95.0447, 86.2411, 68.4235

# Sweetspot

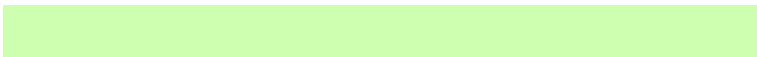
The Sweet Spot groups the original color and five complimentary colors.



67.3929, 86.2415, 85.0472



85.7780, 95.3734, 101.5406



69.1295, 87.8173, 54.3826



18.0601, 20.2644, 21.4864



0.0000, 0.0000, 0.0000

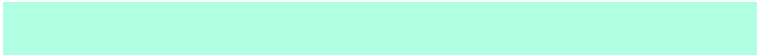


20.3446, 21.4041, 23.3091

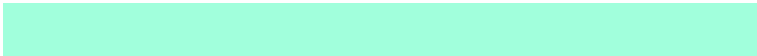


# Same Dimension

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



67.3929, 86.2415, 85.0472



63.3544, 84.2475, 80.8871



68.8451, 82.2304, 106.8513



18.2554, 20.3617, 21.6478



22.1394, 38.7524, 24.4173



2.2083, 3.7942, 2.6547



# Inverse Universe

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



67.7854, 56.7196, 65.1334



63.8062, 50.5806, 58.1981



66.4716, 59.1844, 48.9960



18.2850, 18.0973, 20.1179



22.6607, 11.5536, 6.8638

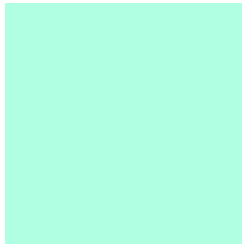


2.2568, 1.1451, 0.9339



# Previews

## White Background



This preview shows how the XYZ color 67.3920, 86.2411, 85.0458 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

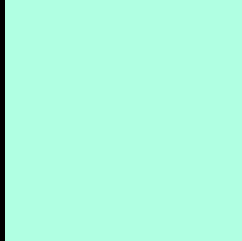
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.3920, 86.2411, 85.0458 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

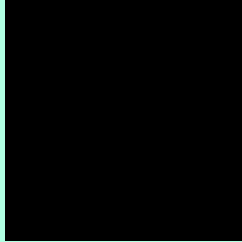
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 67.3920, 86.2411, 85.0458

## Background



This preview shows how black text looks on a background with the XYZ color 67.3920, 86.2411, 85.0458.



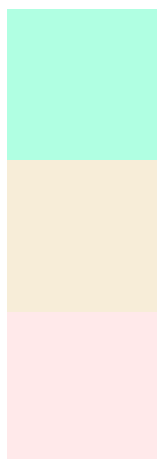
This preview shows how white text looks on a background with the XYZ color 67.3920, 86.2411,

85.0458.

# 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

67.3920, 86.2411, 85.0458

### Protanopia

81.0366, 85.3004, 77.1593

### Deuteranopia

85.2302, 85.4783, 89.8488



## Tritanopia

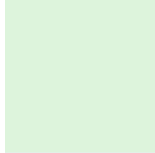
77.5521, 85.9184, 107.1042

# Trichromacy



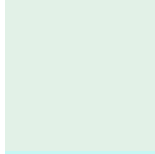
## Original Color

67.3920, 86.2411, 85.0458



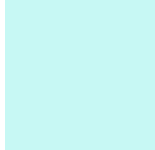
## Protanomaly

75.0877, 85.2408, 80.2057



## Deuteranomaly

77.2431, 84.8489, 87.9076



## Tritanomaly

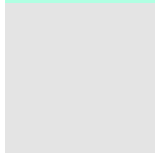
73.4497, 85.8086, 98.2794

# Monochromacy



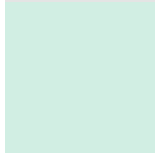
## Original Color

67.3920, 86.2411, 85.0458



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

70.7342, 80.2504, 84.4348

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.3920, 86.2411, 85.0458 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(176, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 226)  
}
```

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(176, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 67.3920, 86.2411, 85.0458 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(176, 255, 226) }
```



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

```
.border{ border-color:rgb(176, 255, 226) }
```

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

Here you see how a box with a 4 pixel rgb(176, 255, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.3920, 86.2411, 85.0458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 226) }
```

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

```
.background{ background-color: rgb(176,  
255, 226) }
```

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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