

# Converting Colors

XYZ(89.4349, 102.7931,  
103.5024)

Have a look what the booklet for  
XYZ(89.4349, 102.7931, 103.5024)  
contains.

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# Color

**XYZ(85.5035, 95.2243,  
101.8693)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7FFF7
RGB	231, 255, 247
RGB Percent	91%, 100%, 97%
CMY	0.0941, 0.0000, 0.0314
CMYK	0.09, 0.00, 0.03, 0.00
HSL	160°, 100%, 95%
HSV	160°, 9%, 100%
XYZ	85.5035, 95.2243, 101.8693
YIQ	246.9120, -11.7360, -7.5760

# Conversions

## Conversions Part 2

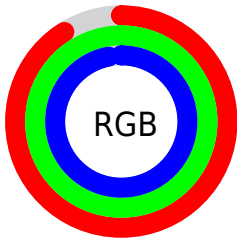
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 245, 255
Decimal	15204343
CIE Lab	98.12, -9.24, 1.15
CIE LCh	98, 9.310, 172.879
Yxy	95.2243, 0.3026, 0.3370
Android (android.graphics.Color)	4293394423 (0xFFE7FFF7)
YUV	246.9120, 0.0434, -13.9548
Hunter-Lab	97.5829, -14.3660, 6.4137

# Details

The XYZ color **85.5035, 95.2243, 101.8693** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85.3965, 84.6449, 93.4987**, and the grayscale version is **88.3427, 92.9434, 101.2153**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2772, 53.2637, 57.0794** is the 20% darker color. If you saturate the color by 10%, you get **76.5822, 90.7733, 94.7616**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

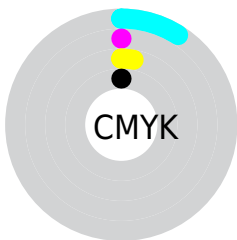
# Distribution



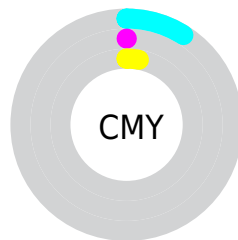
- Red (91%)
- Green (100%)
- Blue (97%)



- Red (91%)
- Yellow (96%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.5035, 95.2243, 101.8693 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 85.5035, 95.2243, 101.8693 by changing the saturation by 10% instead.



85.5035, 95.2243,  
101.8693

85.5035, 95.2243,  
101.8693

501.7513,  
544.8828, 587.4671

64.5814, 72.3217,  
77.2370

139.9868,  
154.5744, 165.7979

47.3852, 53.4215,  
56.9347

174.2787,  
191.7908, 205.9313

33.5495, 38.1394,  
40.5438

213.7580,  
234.5471, 252.0688

22.7089, 26.0909,  
27.6458

258.7899,  
283.2278, 304.6290

14.4983, 16.8916,  
17.8221

309.7398,  
338.2174, 364.0304

8.5520, 10.1573,  
10.6542

366.9731,

4.5049, 5.5033,

399.9001, 430.6915

5.7236

430.8551,  
468.6605, 505.0309

■ 1.9916, 2.5455,  
2.6117

■ 0.6292, 0.8994,  
0.8985

■ 85.5035, 95.2243,  
101.8693

■ 85.5035, 95.2243,  
101.8693

■ 76.5822, 90.7733,  
94.7616

95.0500, 100.0000,  
108.9000

■ 68.8664, 86.9369,  
88.0169

■ 62.3008, 83.6868,  
81.6298

■ 56.8247, 80.9917,  
75.5933

■ 52.3714, 78.8174,  
69.8997

■ 48.8669, 77.1257,  
64.5412

■ 46.2265, 75.8732,  
59.5093

■ 44.3499, 75.0082,  
54.7946

■ 43.0831, 74.4514,  
50.3849

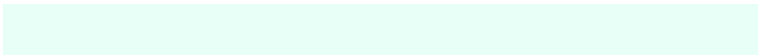
# Harmonies

## Analogous

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



86.4716, 95.2243, 95.0520



85.5035, 95.2243, 101.8693



85.8551, 95.2243, 109.5113

# Triad

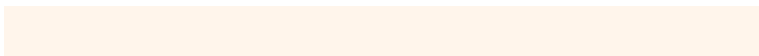
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5035, 95.2243, 101.8693



92.5206, 95.2243, 117.8430



93.6449, 95.2243, 92.3845

# Complementary

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



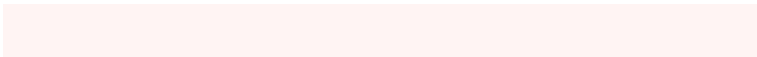
85.5035, 95.2243, 101.8693



85.3965, 84.6449, 93.4987

# 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.



95.3257, 95.2243, 98.0654



85.5035, 95.2243, 101.8693



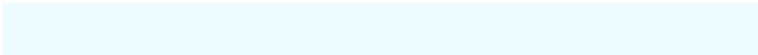
94.6678, 95.2243, 112.8215

# Square

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



85.5035, 95.2243, 101.8693



89.8723, 95.2243, 118.9842



95.7037, 95.2243, 105.5183



91.1464, 95.2243, 89.7534

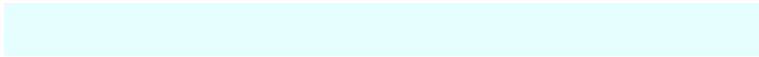


# Rectangle

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



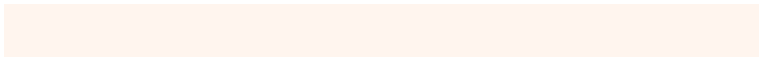
85.5035, 95.2243, 101.8693



86.7939, 95.2243, 114.0241



95.7037, 95.2243, 105.5183



94.3262, 95.2243, 93.9870

# Sweetspot

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



85.5044, 95.2248, 101.8708



91.8835, 98.4147, 106.6233



85.7811, 95.6406, 89.5421



19.4899, 20.9763, 22.6927



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

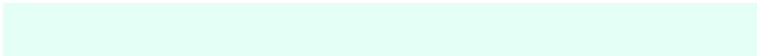


# Same Dimension

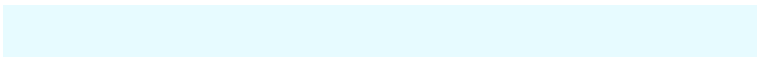
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5044, 95.2248, 101.8708



84.0039, 94.4752, 100.7165



85.5029, 93.2038, 108.0914



18.2824, 20.3725, 21.7899



22.5494, 38.9164, 26.5763



2.2463, 3.8095, 2.8549



# Inverse Universe

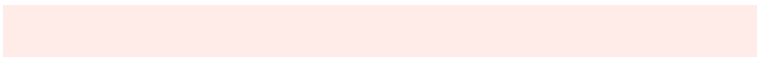
The Inverse Universe completely reimagines the original color for something new.



85.3965, 84.6449, 93.4987



83.8792, 82.2443, 91.0384



85.3729, 86.4472, 87.7891



18.2591, 18.0869, 19.9813



22.4668, 11.4760, 5.8429

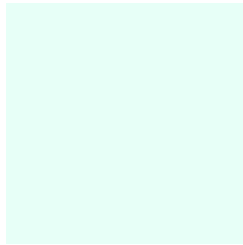


2.2358, 1.1367, 0.8231



# Previews

## White Background



This preview shows how the XYZ color 85.5035, 95.2243, 101.8693 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

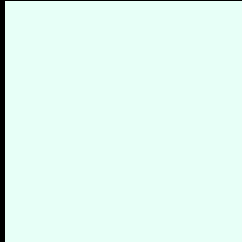
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.5035, 95.2243, 101.8693 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

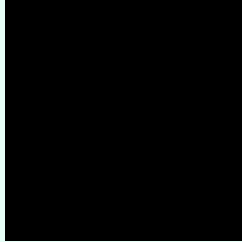
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

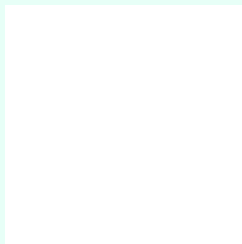
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 85.5035, 95.2243, 101.8693

## Background



This preview shows how black text looks on a background with the XYZ color 85.5035, 95.2243, 101.8693.



This preview shows how white text looks on a background with the XYZ color 85.5035, 95.2243,

101.8693.

# Color Blindness Simulation

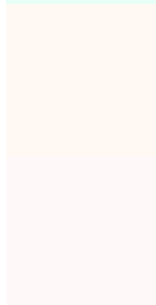
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

85.5035, 95.2243, 101.8693



### Protanopia

90.9851, 94.8659, 98.3095

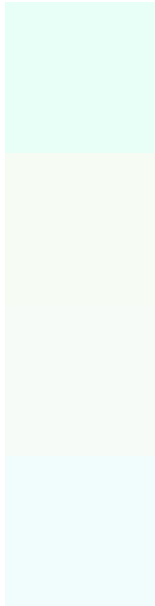
### Deuteranopia

91.9063, 95.2344, 103.1606

## **Tritanopia**

90.2416, 95.1840, 108.2239

# Trichromacy



## Original Color

85.5035, 95.2243, 101.8693

## Protanomaly

88.8324, 95.1188, 99.2658

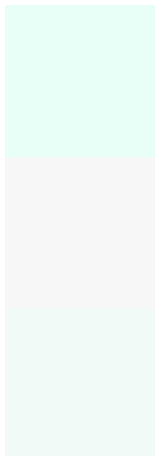
## Deuteranomaly

89.4465, 95.3645, 102.4998

## Tritanomaly

88.6567, 95.3499, 105.8271

# Monochromacy



## Original Color

85.5035, 95.2243, 101.8693

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

87.2497, 93.7874, 101.4999

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.5035, 95.2243, 101.8693 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(231, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 247)  
}
```

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(231, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 85.5035, 95.2243, 101.8693 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(231, 255, 247) }
```



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

```
.border{ border-color:rgb(231, 255, 247) }
```

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

Here you see how a box with a 4 pixel rgb(231, 255, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.5035, 95.2243, 101.8693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 247) }
```

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

```
.background{ background-color: rgb(231,  
255, 247) }
```

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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