

# Converting Colors

XYZ(85.5687, 90.0946,  
108.3107)

Have a look what the booklet for  
XYZ(85.5687, 90.0946, 108.3107)  
contains.

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# Color

**XYZ(85.3257, 89.9259,  
107.4680)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDF4FF
RGB	237, 244, 255
RGB Percent	93%, 96%, 100%
CMY	0.0706, 0.0431, 0.0000
CMYK	0.07, 0.04, 0.00, 0.00
HSL	217°, 100%, 96%
HSV	217°, 7%, 100%
XYZ	85.3257, 89.9259, 107.4680
YIQ	243.1610, -7.7030, 1.9370

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 242, 255
Decimal	15594751
CIE Lab	95.97, -0.28, -6.08
CIE LCh	96, 6.091, 267.410
Yxy	89.9259, 0.3018, 0.3181
Android (android.graphics.Color)	4293784831 (0xFFEDF4FF)
YUV	243.1610, 5.8366, -5.4032
Hunter-Lab	94.8293, -5.3401, -0.8116

# Details

The XYZ color **85.3257, 89.9259, 107.4680** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.0926, 94.5070, 93.6155**, and the grayscale version is **85.2810, 89.7223, 97.7076**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2323, 49.8674, 60.5620** is the 20% darker color. If you saturate the color by 10%, you get **72.9195, 76.8661, 105.6011**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



- Red (93%)
- Green (96%)
- Blue (100%)



- Red (93%)
- Yellow (95%)
- Blue (100%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.3257, 89.9259, 107.4680 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 85.3257, 89.9259, 107.4680 by changing the saturation by 10% instead.



85.3257, 89.9259,  
107.4680

85.3257, 89.9259,  
107.4680

501.1726,  
527.7898, 605.3295

64.4339, 67.9192,  
81.9003

139.7398,  
147.2355, 173.5237

47.2652, 49.8320,  
60.7480

173.9929,  
183.3071, 214.8489

33.4542, 35.2799,  
43.5926

213.4304,  
224.8358, 262.2636

22.6355, 23.8786,  
30.0155

258.4178,  
272.2061, 316.1864

14.4438, 15.2436,  
19.5982

309.3203,  
325.8022, 377.0359

8.5137, 8.9905,  
11.9222

366.5034,

4.4800, 4.7350,

386.0086, 445.2305

6.5688

430.3324,  
453.2096, 521.1889

■ 1.9771, 2.0926,  
3.1196

■ 0.6210, 0.6605,  
1.1560

■ 85.3257, 89.9259,  
107.4680

■ 85.3257, 89.9259,  
107.4680

■ 72.9195, 76.8661,  
105.6011

95.0500, 100.0000,  
108.9000

■ 62.0571, 65.1733,  
103.9167

■ 52.6764, 54.8028,  
102.4094

■ 44.7081, 45.7033,  
101.0730

■ 38.0768, 37.8195,  
99.9008

■ 32.6997, 31.0916,  
98.8856

■ 28.4836, 25.4534,  
98.0195

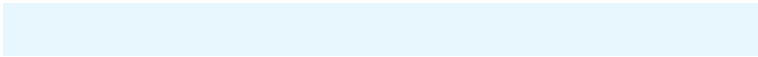
■ 25.3206, 20.8300,  
97.2938

■ 23.0754, 17.1314,  
96.6982

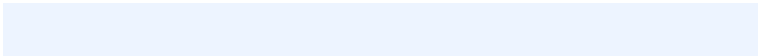
# Harmonies

## Analogous

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



83.7405, 89.9259, 105.9326



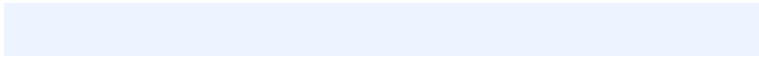
85.3257, 89.9259, 107.4680



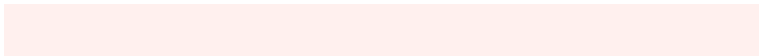
86.9704, 89.9259, 106.3747

# Triad

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



85.3257, 89.9259, 107.4680



88.3772, 89.9259, 93.7089



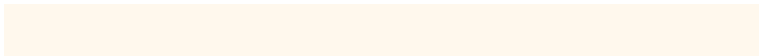
82.7740, 89.9259, 93.0061

# Complementary

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



85.3257, 89.9259, 107.4680



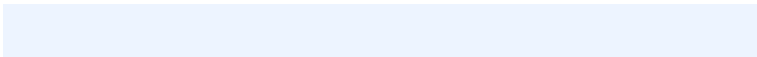
90.0926, 94.5070, 93.6155

# Split Complementary

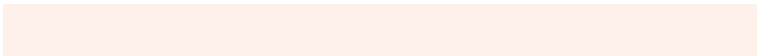
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.9907, 89.9259, 89.9143



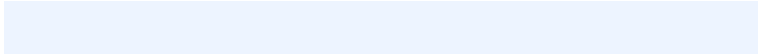
85.3257, 89.9259, 107.4680



87.2269, 89.9259, 90.3106

# Square

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



85.3257, 89.9259, 107.4680



88.7458, 89.9259, 98.3335



85.6182, 89.9259, 88.9437

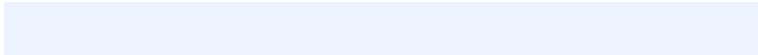


82.2795, 89.9259, 97.4958



# Rectangle

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



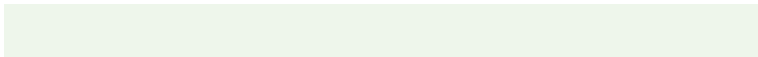
85.3257, 89.9259, 107.4680



87.8767, 89.9259, 104.3214



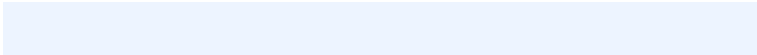
85.6182, 89.9259, 88.9437



83.1113, 89.9259, 91.7745

# Sweetspot

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



85.3280, 89.9296, 107.4686



92.2127, 97.0739, 108.4847



87.5980, 96.2898, 102.6138



19.7671, 20.8085, 23.2246



0.0000, 0.0000, 0.0000

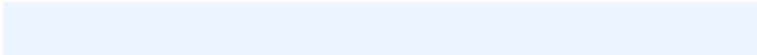


20.3446, 21.4041, 23.3091



# Same Dimension

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



85.3280, 89.9296, 107.4686



84.0916, 88.6394, 107.2848



83.8644, 86.1057, 106.8077



17.5827, 18.5369, 22.9012



11.9086, 8.7268, 50.4914



1.2618, 1.0544, 4.9503



# Inverse Universe

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



87.8547, 88.3614, 98.0175



86.9420, 86.8911, 96.6183



91.6273, 98.5548, 94.3159



18.3020, 18.1041, 20.2075



22.7991, 11.6089, 7.5926

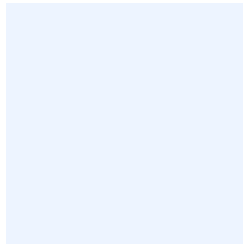


2.2715, 1.1510, 1.0113



# Previews

## White Background



This preview shows how the XYZ color 85.3257, 89.9259, 107.4680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

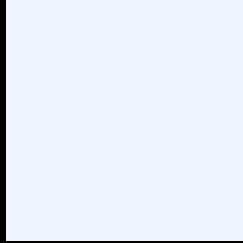
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.3257, 89.9259, 107.4680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

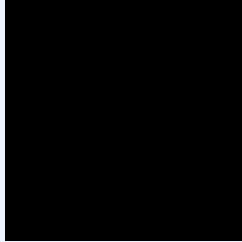
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

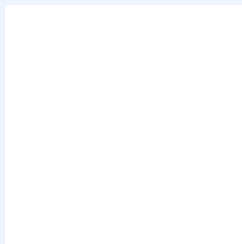
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 85.3257, 89.9259, 107.4680

## Background



This preview shows how black text looks on a background with the XYZ color 85.3257, 89.9259, 107.4680.



This preview shows how white text looks on a background with the XYZ color 85.3257, 89.9259,

107.4680.

# 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

85.3257, 89.9259, 107.4680

### Protanopia

86.9498, 89.8931, 106.5343

### Deuteranopia

89.6772, 90.0213, 104.7448

## **Tritanopia**

86.0358, 89.8464, 107.4153

# Trichromacy



## Original Color

85.3257, 89.9259, 107.4680

## Protanomaly

86.2156, 89.9577, 106.5855

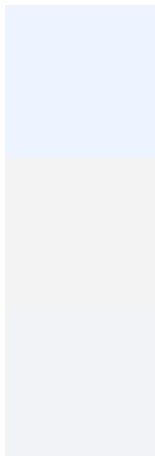
## Deuteranomaly

87.8963, 89.9589, 105.6597

## Tritanomaly

85.6972, 89.6719, 107.3994

# Monochromacy



## Original Color

85.3257, 89.9259, 107.4680

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

85.1147, 89.5174, 100.7882

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.3257, 89.9259, 107.4680 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(237, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 244, 255)  
}
```

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(237, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 244, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 85.3257, 89.9259, 107.4680 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(237, 244, 255) }
```



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

```
.border{ border-color:rgb(237, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 244,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.3257, 89.9259, 107.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 244, 255) }
```

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

```
.background{ background-color: rgb(237,  
244, 255) }
```

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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