

# Converting Colors

XYZ(85.7828, 94.1943,  
106.5693)

Have a look what the booklet for  
XYZ(85.7828, 94.1943, 106.5693)  
contains.

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# **Color**

**XYZ(85.8099, 94.3313,  
106.6136)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7FDFD
RGB	231, 253, 253
RGB Percent	91%, 99%, 99%
CMY	0.0941, 0.0078, 0.0078
CMYK	0.09, 0.00, 0.00, 0.01
HSL	180°, 85%, 95%
HSV	180°, 9%, 99%
XYZ	85.8099, 94.3313, 106.6136
YIQ	246.4220, -13.1120, -4.6640

# Conversions

## Conversions Part 2

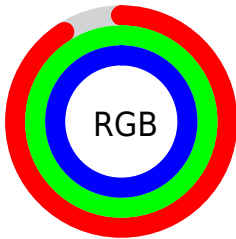
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 242, 253
Decimal	15203837
CIE Lab	97.77, -7.12, -2.45
CIE LCh	98, 7.531, 199.014
Yxy	94.3313, 0.2992, 0.3290
Android (android.graphics.Color)	4293393917 (0xFFE7FDFD)
YUV	246.4220, 3.2430, -13.5251
Hunter-Lab	97.1243, -12.2617, 2.9042

# Details

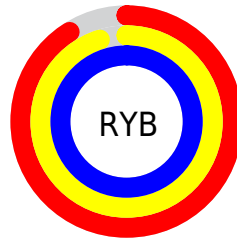
The XYZ color **85.8099, 94.3313, 106.6136** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.5112, 83.8066, 87.3804**, and the grayscale version is **87.9234, 92.5023, 100.7350**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3829, 52.5793, 59.8760** is the 20% darker color. If you saturate the color by 10%, you get **78.2271, 90.4249, 106.2571**, and if you desaturate by 10%, it is **94.0976, 98.6063, 107.0070**.

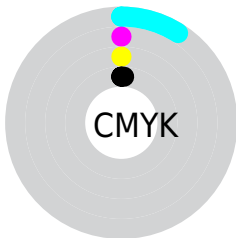
# Distribution



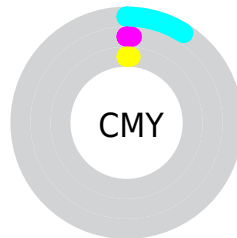
- Red (91%)
- Green (99%)
- Blue (99%)



- Red (91%)
- Yellow (95%)
- Blue (99%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)




- Cyan (9%)
- Magenta (1%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.8099, 94.3313, 106.6136 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 85.8099, 94.3313, 106.6136 by changing the saturation by 10% instead.




 85.8099, 94.3313,  
106.6136

 85.8099, 94.3313,  
106.6136

502.7476,  
542.0220, 602.6216

 64.8355, 71.5785,  
81.1876


140.4124,  
153.3404, 172.3474

 47.5919, 52.8145,  
60.1642


174.7712,  
190.3656, 213.4922

 33.7138, 37.6547,  
43.1249


214.3222,  
232.9171, 260.7138

 22.8356, 25.7148,  
29.6510

259.4308,  
281.3792, 314.4307

 14.5922, 16.6104,  
19.3240

310.4622,  
336.1363, 375.0614

 8.6181, 9.9571,  
11.7255

367.7819,

 4.5481, 5.3705,

397.5729, 443.0244

6.4368

431.7553,  
466.0733, 518.7383

■ 2.0166, 2.4663,  
3.0394

■ 0.6433, 0.8597,  
1.1148

■ 85.8099, 94.3313,  
106.6136

■ 85.8099, 94.3313,  
106.6136

■ 78.2271, 90.4249,  
106.2571

■ 94.0976, 98.6063,  
107.0070

■ 71.7714, 87.0969,  
105.9514

■ 94.0983, 98.6065,  
107.0106

■ 66.3917, 84.3237,  
105.6961

■ 94.0990, 98.6068,  
107.0142

■ 62.0294, 82.0749,  
105.4883

■ 94.0997, 98.6071,  
107.0178

■ 58.6206, 80.3176,  
105.3252

■ 94.1003, 98.6074,  
107.0214

■ 56.0938, 79.0151,  
105.2034

■ 94.1010, 98.6076,  
107.0251

■ 54.3680, 78.1255,  
105.1191

■ 94.1017, 98.6079,  
107.0287

■ 53.3468, 77.5992,  
105.0677

■ 94.1024, 98.6082,  
107.0323

■ 52.8920, 77.3648,  
105.0428

■ 94.1031, 98.6085,  
107.0359

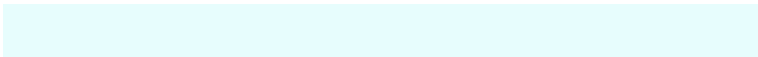
# Harmonies

## Analogous

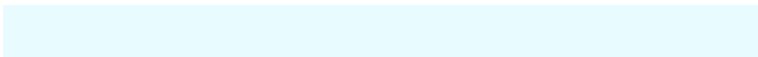
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6646, 94.3313, 100.4726



85.8099, 94.3313, 106.6136



86.9768, 94.3313, 111.9028

# Triad

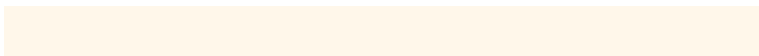
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8099, 94.3313, 106.6136



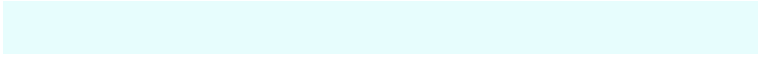
92.8137, 94.3313, 110.6674



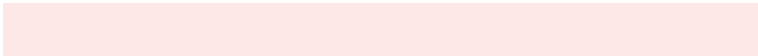
90.4486, 94.3313, 91.5290

# Complementary

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



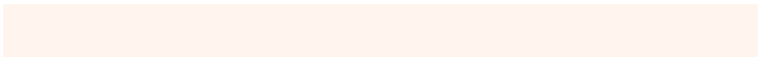
85.8099, 94.3313, 106.6136



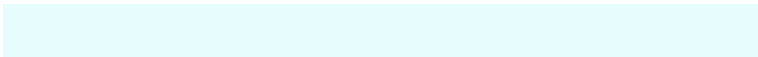
83.5112, 83.8066, 87.3804

# 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.



92.3959, 94.3313, 94.0364



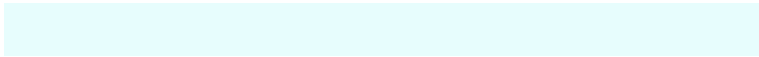
85.8099, 94.3313, 106.6136



93.7758, 94.3313, 104.9819

# Square

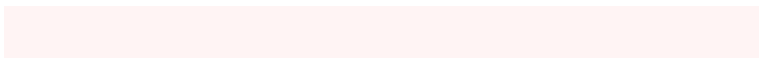
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8099, 94.3313, 106.6136



91.0117, 94.3313, 114.3071



93.6217, 94.3313, 98.9043

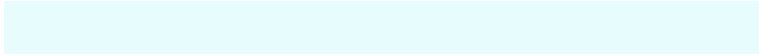


88.3199, 94.3313, 91.9265

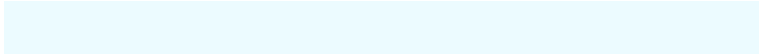


# Rectangle

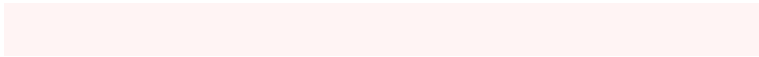
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



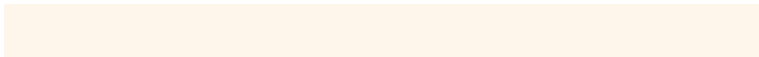
85.8099, 94.3313, 106.6136



88.1877, 94.3313, 114.1575



93.6217, 94.3313, 98.9043



91.1467, 94.3313, 92.0559

# Sweetspot

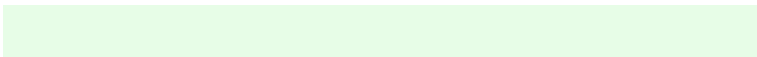
The Sweet Spot groups the original color and five complimentary colors.



85.8126, 94.3353, 106.6157



92.2911, 98.5778, 108.7698



82.6253, 93.0740, 89.2132



19.6003, 21.0204, 23.2740



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

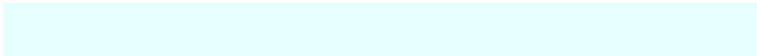


# Same Dimension

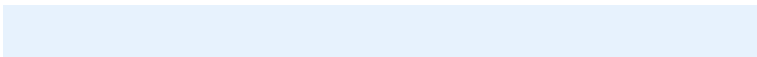
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8126, 94.3353, 106.6157



86.2822, 95.4801, 108.4860



82.5487, 87.8065, 105.5307



18.5548, 20.4815, 23.2246



28.1133, 41.1419, 55.8752

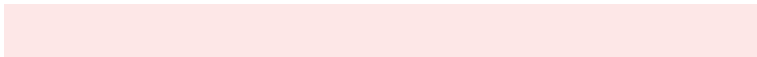


2.7373, 4.0059, 5.4406

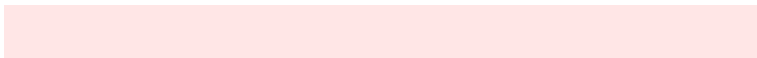


# Inverse Universe

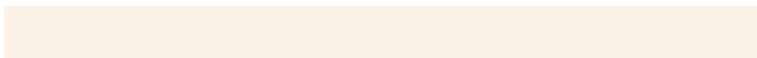
The Inverse Universe completely reimagines the original color for something new.



83.5112, 83.8066, 87.3804



83.6113, 83.2611, 86.1627



86.5783, 89.9418, 88.4002



18.0096, 17.9871, 18.6676



21.5490, 11.1089, 1.0094

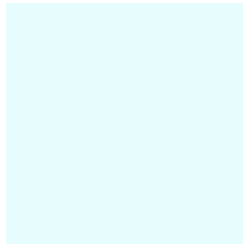


2.0982, 1.0816, 0.0985



# Previews

## White Background



This preview shows how the XYZ color 85.8099, 94.3313, 106.6136 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

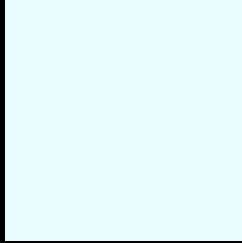
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.8099, 94.3313, 106.6136 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 85.8099, 94.3313, 106.6136

## Background



This preview shows how black text looks on a background with the XYZ color 85.8099, 94.3313, 106.6136.



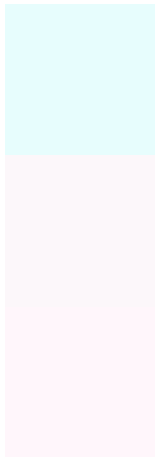
This preview shows how white text looks on a background with the XYZ color 85.8099, 94.3313,



# 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

85.8099, 94.3313, 106.6136

### Protanopia

90.6610, 94.1191, 103.8309

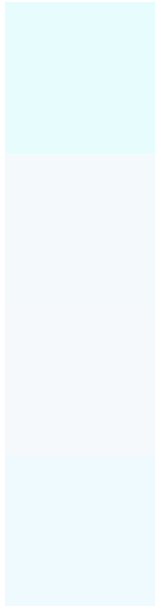
### Deuteranopia

91.6084, 94.1366, 104.6087

## **Tritanopia**

89.2339, 94.2045, 108.0879

# Trichromacy



## Original Color

85.8099, 94.3313, 106.6136

## Protanomaly

88.5965, 93.9495, 104.7313

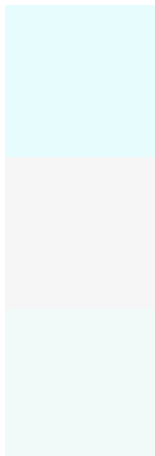
## Deuteranomaly

89.4524, 94.3725, 105.5965

## Tritanomaly

87.6716, 93.8777, 107.2654

# Monochromacy



## Original Color

85.8099, 94.3313, 106.6136

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

87.2502, 93.2917, 103.0311

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.8099, 94.3313, 106.6136 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, 253, 253)` looks like.

```
.text, #text, p{  
    color:rgb(231, 253, 253)  
}
```

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, 253, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 253, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 85.8099, 94.3313, 106.6136 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, 253, 253) }
```



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

```
.border{ border-color:rgb(231, 253, 253) }
```

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

Here you see how a box with a 4 pixel rgb(231, 253, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 253, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 253, 253);  
box-shadow:4px 4px 4px 4px rgb(231, 253,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.8099, 94.3313, 106.6136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 253, 253) }
```

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

```
.background{ background-color: rgb(231,  
253, 253) }
```

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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