

# Converting Colors

XYZ(85.7458, 93.1860,  
108.0751)

Have a look what the booklet for  
XYZ(85.7458, 93.1860, 108.0751)  
contains.

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# Color

**XYZ(85.8259, 93.3702,  
108.1065)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FBFF
RGB	232, 251, 255
RGB Percent	91%, 98%, 100%
CMY	0.0902, 0.0157, 0.0000
CMYK	0.09, 0.02, 0.00, 0.00
HSL	190°, 100%, 95%
HSV	190°, 9%, 100%
XYZ	85.8259, 93.3702, 108.1065
YIQ	245.7750, -12.6080, -2.7840

# Conversions

## Conversions Part 2

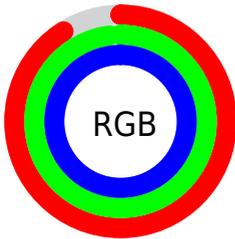
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 242, 255
Decimal	15268863
CIE Lab	97.38, -5.42, -4.04
CIE LCh	97, 6.762, 216.737
Yxy	93.3702, 0.2987, 0.3250
Android (android.graphics.Color)	4293458943 (0xFFE8FBFF)
YUV	245.7750, 4.5479, -12.0807
Hunter-Lab	96.6283, -10.5545, 1.3069

# Details

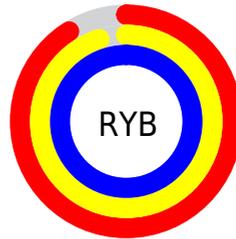
The XYZ color **85.8259, 93.3702, 108.1065** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.8002, 87.0752, 88.6305**, and the grayscale version is **87.3895, 91.9405, 100.1232**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6126, 52.3375, 61.0188** is the 20% darker color. If you saturate the color by 10%, you get **76.7747, 86.6767, 107.2916**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



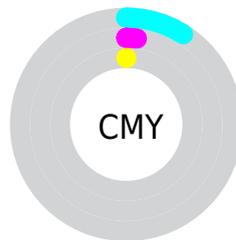
- Red (91%)
- Green (98%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.8259, 93.3702, 108.1065 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 85.8259, 93.3702, 108.1065 by changing the saturation by 10% instead.

 85.8259, 93.3702,  
108.1065

 85.8259, 93.3702,  
108.1065

502.7996,  
538.9341, 607.3491

 64.8488, 70.7792,  
82.4331

140.4346,  
152.0110, 174.4023

 47.6027, 52.1621,  
61.1847

174.7969,  
188.8297, 215.8618

 33.7223, 37.1343,  
43.9427

214.3516,  
231.1597, 263.4204

 22.8422, 25.3115,  
30.2886

259.4642,  
279.3855, 317.4966

 14.5971, 16.3093,  
19.8039

310.4999,  
333.8915, 378.5091

 8.6216, 9.7433,  
12.0699

367.8241,

 4.5503, 5.2291,

395.0619, 446.8763

6.6682

431.8022,  
463.2813, 523.0168

■ 2.0179, 2.3823,  
3.1802

■ 0.6440, 0.8168,  
1.1874

■ 85.8259, 93.3702,  
108.1065

■ 85.8259, 93.3702,  
108.1065

■ 76.7747, 86.6767,  
107.2916

95.0500, 100.0000,  
108.9000

■ 68.9026, 80.6362,  
106.5405

■ 62.1568, 75.2238,  
105.8514

■ 56.4773, 70.4080,  
105.2212

■ 51.7982, 66.1548,  
104.6468

■ 48.0465, 62.4261,  
104.1249

■ 45.1387, 59.1785,  
103.6513

■ 42.9758, 56.3606,  
103.2214

■ 41.4116, 53.8968,  
102.8282

# Harmonies

## Analogous

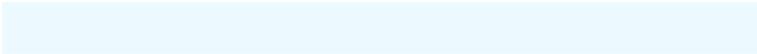
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1371, 93.3702, 102.9070



85.8259, 93.3702, 108.1065



87.2985, 93.3702, 111.6684

# Triad

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



85.8259, 93.3702, 108.1065



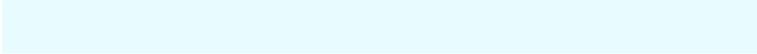
92.1732, 93.3702, 105.8885



88.3141, 93.3702, 91.5424

# Complementary

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



85.8259, 93.3702, 108.1065



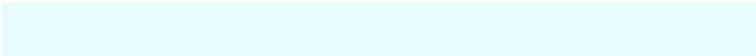
85.8002, 87.0752, 88.6305

# 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.



90.2085, 93.3702, 92.2762



85.8259, 93.3702, 108.1065



92.4546, 93.3702, 100.4316

# Square

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



85.8259, 93.3702, 108.1065



90.9674, 93.3702, 110.3560



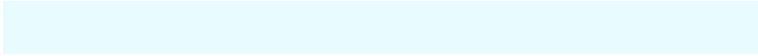
91.7307, 93.3702, 95.4832



86.5602, 93.3702, 93.4414

# Rectangle

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



85.8259, 93.3702, 108.1065



88.5360, 93.3702, 112.5657



91.7307, 93.3702, 95.4832



88.9554, 93.3702, 91.4904

# Sweetspot

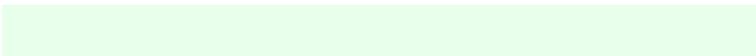
The Sweet Spot groups the original color and five complimentary colors.



85.8283, 93.3740, 108.1071



91.8689, 97.7330, 108.6301



84.1557, 94.7227, 93.0791



19.4859, 20.7915, 23.2361



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.



85.8283, 93.3740, 108.1071



83.9382, 91.9936, 107.9403



82.3918, 86.5010, 106.9616



18.2707, 19.9129, 23.1306



21.6640, 28.2375, 53.7432



2.1768, 2.8842, 5.2553



# Inverse Universe

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



87.5107, 85.9398, 103.2472



85.9708, 83.0810, 102.0530



89.1688, 93.8123, 89.7533



18.6493, 18.2430, 22.0361



27.7232, 13.5786, 33.5223



2.7333, 1.3357, 3.4432



# Previews

## White Background



This preview shows how the XYZ color 85.8259, 93.3702, 108.1065 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 85.8259, 93.3702, 108.1065 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

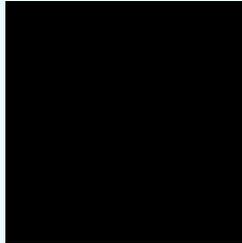
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 85.8259, 93.3702, 108.1065

## Background



This preview shows how black text looks on a background with the XYZ color 85.8259, 93.3702, 108.1065.



This preview shows how white text looks on a background with the XYZ color 85.8259, 93.3702,



# 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

85.8259, 93.3702, 108.1065

### Protanopia

89.9508, 93.2638, 105.3563

### Deuteranopia

91.0033, 92.9264, 104.4070

## **Tritanopia**

88.5795, 93.4095, 107.9689

# Trichromacy



## Original Color

85.8259, 93.3702, 108.1065

## Protanomaly

88.2592, 93.2813, 106.2818

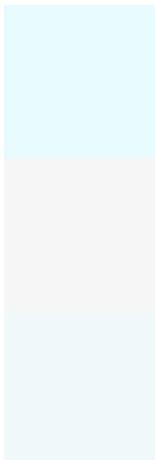
## Deuteranomaly

89.1892, 93.3240, 105.4080

## Tritanomaly

87.5223, 93.3221, 108.0078

# Monochromacy



## Original Color

85.8259, 93.3702, 108.1065

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.9419, 92.6751, 102.9283

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.8259, 93.3702, 108.1065 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(232, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 251, 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(232, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 251, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 85.8259, 93.3702, 108.1065 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(232, 251, 255) }
```

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

```
.border{ border-color:rgb(232, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.8259, 93.3702, 108.1065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 251, 255) }
```

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

```
.background{ background-color: rgb(232,  
251, 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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