

# Converting Colors

XYZ(89.7110, 95.0683,  
130.7349)

Have a look what the booklet for  
XYZ(89.7110, 95.0683, 130.7349)  
contains.

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# **Color**

**XYZ(85.1803, 93.0374,  
108.0763)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6FBFF
RGB	230, 251, 255
RGB Percent	90%, 98%, 100%
CMY	0.0980, 0.0157, 0.0000
CMYK	0.10, 0.02, 0.00, 0.00
HSL	190°, 100%, 95%
HSV	190°, 10%, 100%
XYZ	85.1803, 93.0374, 108.0763
YIQ	245.1770, -13.8000, -3.2080

# Conversions

## Conversions Part 2

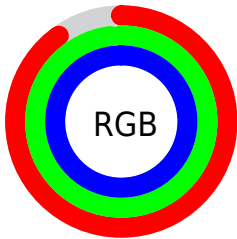
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 241, 255
Decimal	15137791
CIE <sub>Lab</sub>	97.24, -6.05, -4.26
CIE <sub>LCh</sub>	97, 7.401, 215.130
Yxy	93.0374, 0.2975, 0.3250
Android (android.graphics.Color)	4293327871 (0xFFE6FBFF)
YUV	245.1770, 4.8427, -13.3102
Hunter-Lab	96.4559, -11.1643, 1.0862

# Details

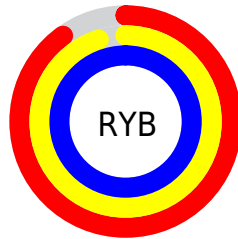
The XYZ color **85.1803, 93.0374, 108.0763** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.9450, 85.8169, 86.9516**, and the grayscale version is **86.9058, 91.4317, 99.5691**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1637, 52.1061, 60.9978** is the 20% darker color. If you saturate the color by 10%, you get **76.3293, 86.6078, 107.3017**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

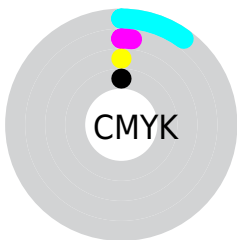
# Distribution



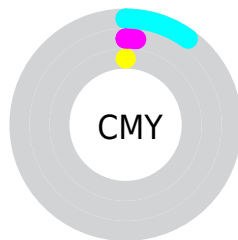
- Red (90%)
- Green (98%)
- Blue (100%)



- Red (90%)
- Yellow (95%)
- Blue (100%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.1803, 93.0374, 108.0763 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 85.1803, 93.0374, 108.0763 by changing the saturation by 10% instead.



85.1803, 93.0374,  
108.0763

85.1803, 93.0374,  
108.0763

500.6992,  
537.8627, 607.2537

64.3134, 70.5026,  
82.4079

139.5378,  
151.5504, 174.3607

47.1672, 51.9364,  
61.1641

173.7590,  
188.2974, 215.8139

33.3763, 36.9544,  
43.9262

213.1624,  
230.5505, 263.3657

22.5755, 25.1722,  
30.2757

258.1134,  
278.6942, 317.4347

14.3993, 16.2054,  
19.7941

308.9771,  
333.1129, 378.4395

8.4825, 9.6696,  
12.0629

366.1191,

4.4596, 5.1804,

394.1909, 446.7985

6.6635

429.9047,  
462.3127, 522.9304

■ 1.9653, 2.3535,  
3.1773

■ 0.6144, 0.8018,  
1.1859

■ 85.1803, 93.0374,  
108.0763

■ 85.1803, 93.0374,  
108.0763

■ 76.3293, 86.6078,  
107.3017

95.0500, 100.0000,  
108.9000

■ 68.6485, 80.8192,  
106.5893

■ 62.0845, 75.6466,  
105.9368

■ 56.5770, 71.0585,  
105.3415

■ 52.0598, 67.0206,  
104.8002

■ 48.4591, 63.4946,  
104.3094

■ 45.6905, 60.4366,  
103.8650

■ 43.6536, 57.7947,  
103.4625

■ 42.1875, 55.4857,  
103.0940

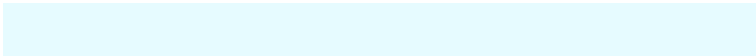
# Harmonies

## Analogous

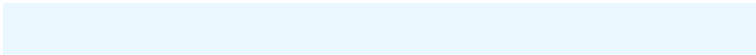
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4833, 93.0374, 102.3355



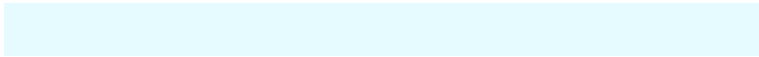
85.1803, 93.0374, 108.0763



86.7484, 93.0374, 112.1167

# Triad

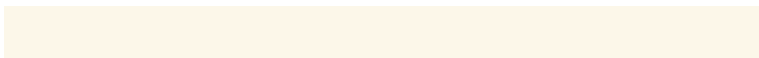
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1803, 93.0374, 108.0763



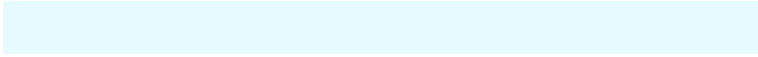
92.1290, 93.0374, 106.2241



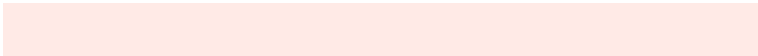
88.0701, 93.0374, 90.2563

# Complementary

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



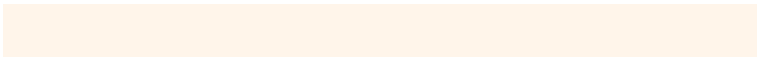
85.1803, 93.0374, 108.0763



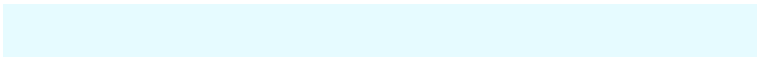
84.9450, 85.8169, 86.9516

# Split Complementary

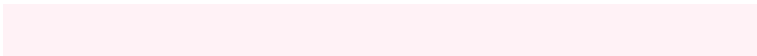
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.1316, 93.0374, 91.2060



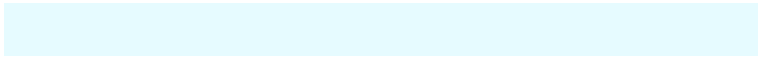
85.1803, 93.0374, 108.0763



92.4962, 93.0374, 100.2753

# Square

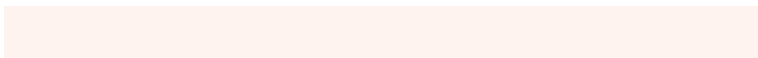
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



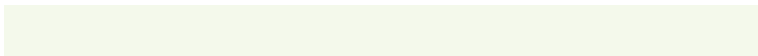
85.1803, 93.0374, 108.0763



90.7641, 93.0374, 111.0181



91.7598, 93.0374, 94.8167

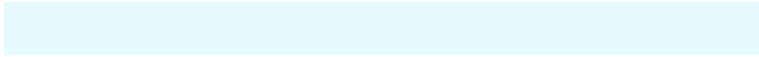


86.1348, 93.0374, 92.1698

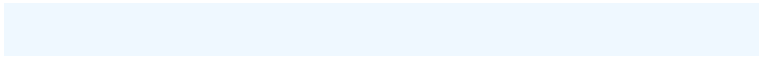


# Rectangle

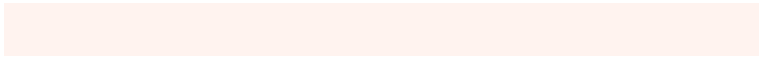
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



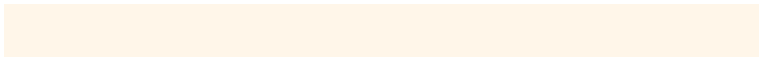
85.1803, 93.0374, 108.0763



88.0883, 93.0374, 113.2187



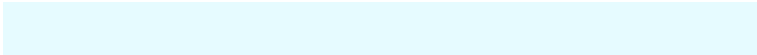
91.7598, 93.0374, 94.8167



88.7711, 93.0374, 90.2521

# Sweetspot

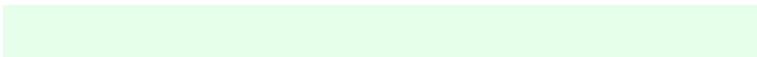
The Sweet Spot groups the original color and five complimentary colors.



85.1827, 93.0412, 108.0769



91.9026, 97.8004, 108.6413



83.2094, 94.2696, 91.4652



19.4950, 20.8097, 23.2391



0.0000, 0.0000, 0.0000

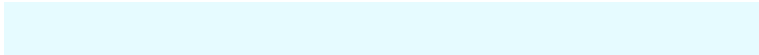


20.3446, 21.4041, 23.3091

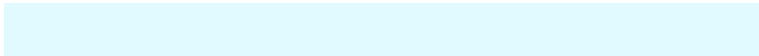


# Same Dimension

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



85.1827, 93.0412, 108.0769



83.1345, 91.5712, 107.9011



81.4775, 85.6308, 106.8418



18.2932, 19.9579, 23.1381



22.1224, 29.1543, 53.8960



2.2173, 2.9652, 5.2688



# Inverse Universe

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



86.9508, 84.8201, 103.0605



85.2759, 81.6956, 101.8076



88.5553, 93.0374, 88.1550



18.6606, 18.2476, 22.0960



27.9545, 13.6711, 34.7407

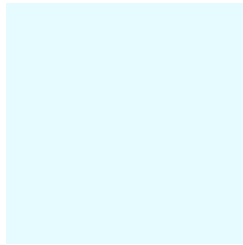


2.7538, 1.3439, 3.5508



# Previews

## White Background



This preview shows how the XYZ color 85.1803, 93.0374, 108.0763 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

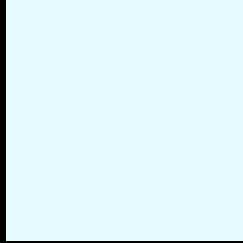
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.1803, 93.0374, 108.0763 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

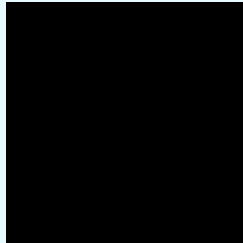
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 85.1803, 93.0374, 108.0763

## Background



This preview shows how black text looks on a background with the XYZ color 85.1803, 93.0374, 108.0763.



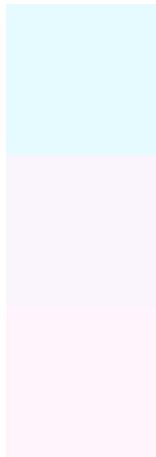
This preview shows how white text looks on a background with the XYZ color 85.1803, 93.0374,



# 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

85.1803, 93.0374, 108.0763

### Protanopia

89.6474, 92.6571, 105.2551

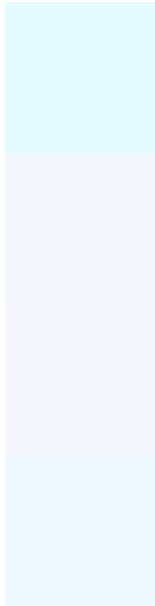
### Deuteranopia

91.0033, 92.9264, 104.4070

## **Tritanopia**

88.2354, 93.2320, 107.9528

# Trichromacy



## Original Color

85.1803, 93.0374, 108.0763

## Protanomaly

87.9525, 92.6681, 106.1796

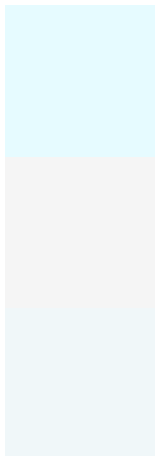
## Deuteranomaly

88.8375, 93.1426, 105.3915

## Tritanomaly

87.1856, 93.1485, 107.9920

# Monochromacy



## Original Color

85.1803, 93.0374, 108.0763

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

86.2948, 91.8863, 102.8101

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.1803, 93.0374, 108.0763 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(230, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 251, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 85.1803, 93.0374, 108.0763 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(230, 251, 255) }
```



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

```
.border{ border-color:rgb(230, 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(230, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.1803, 93.0374, 108.0763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 251, 255) }
```

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

```
.background{ background-color: rgb(230,  
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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