

Converting Colors

XYZ(101.1850, 100.0000,
188.5400)

Have a look what the booklet for
XYZ(101.1850, 100.0000, 188.5400)
contains.

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Color

**XYZ(85.8154, 93.8297,
108.1957)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FCFF
RGB	231, 252, 255
RGB Percent	91%, 99%, 100%
CMY	0.0941, 0.0117, 0.0000
CMYK	0.09, 0.01, 0.00, 0.00
HSL	187°, 100%, 95%
HSV	187°, 9%, 100%
XYZ	85.8154, 93.8297, 108.1957
YIQ	246.0630, -13.4790, -3.5190

Conversions

Conversions Part 2

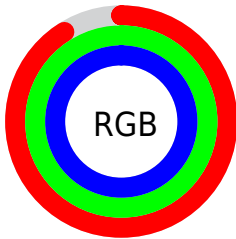
Format	Color
R _Y B	231, 242, 255
Decimal	15203583
CIE Lab	97.56, -6.24, -3.78
CIE LCh	98, 7.295, 211.206
Yxy	93.8297, 0.2981, 0.3260
Android (android.graphics.Color)	4293393663 (0xFFE7FCFF)
YUV	246.0630, 4.4059, -13.2103
Hunter-Lab	96.8657, -11.3781, 1.5811

Details

The XYZ color **85.8154, 93.8297, 108.1957** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.0860, 85.8734, 87.6936**, and the grayscale version is **87.6238, 92.1870, 100.3917**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3873, 52.2214, 61.0082** is the 20% darker color. If you saturate the color by 10%, you get **77.1868, 87.9130, 107.5085**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

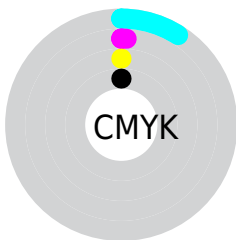
Distribution



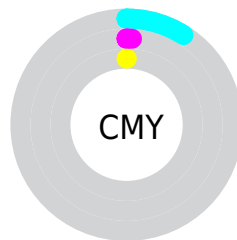
- Red (91%)
- Green (99%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.8154, 93.8297, 108.1957 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 85.8154, 93.8297, 108.1957 by changing the saturation by 10% instead.

 85.8154, 93.8297,
108.1957

 85.8154, 93.8297,
108.1957


502.7654,
540.4116, 607.6310

 64.8401, 71.1613,
82.5076


140.4200,
152.6468, 174.5250

 47.5956, 52.4739,
61.2458


174.7800,
189.5643, 216.0032

 33.7167, 37.3829,
43.9917


214.3323,
232.0003, 263.5819

 22.8379, 25.5041,
30.3268

259.4422,
280.3392, 317.6795

 14.5939, 16.4530,
19.8326

310.4752,
334.9654, 378.7147

 8.6193, 9.8453,
12.0906

367.7964,

 4.5488, 5.2965,

396.2632, 447.1060

6.6821

431.7714,
464.6172, 523.2719

■ 2.0171, 2.4223,
3.1887

■ 0.6435, 0.8373,
1.1918

■ 85.8154, 93.8297,
108.1957

■ 85.8154, 93.8297,
108.1957

■ 77.1868, 87.9130,
107.5085

95.0500, 100.0000,
108.9000

■ 69.7197, 82.6172,
106.8798

■ 63.3613, 77.9176,
106.3078

■ 58.0514, 73.7829,
105.7896

■ 53.7243, 70.1793,
105.3221

■ 50.3065, 67.0687,
104.9019

■ 47.7143, 64.4078,
104.5249

■ 45.8481, 62.1452,
104.1865

■ 44.5548, 60.2017,
103.8796

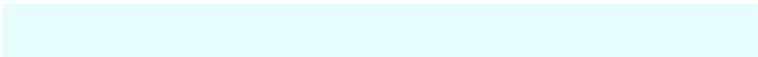
Harmonies

Analogous

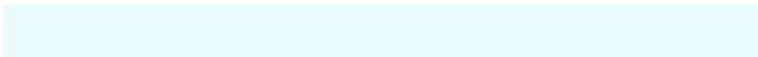
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2552, 93.8297, 102.4051



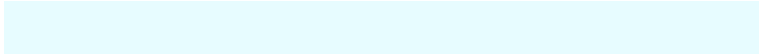
85.8154, 93.8297, 108.1957



87.2756, 93.8297, 112.5017

Triad

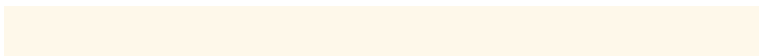
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8154, 93.8297, 108.1957



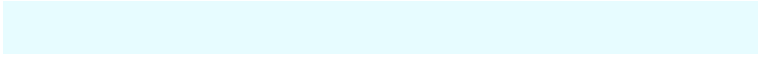
92.7222, 93.8297, 107.7639



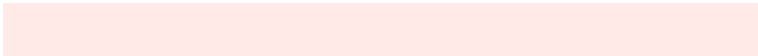
89.0984, 93.8297, 91.1684

Complementary

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



85.8154, 93.8297, 108.1957



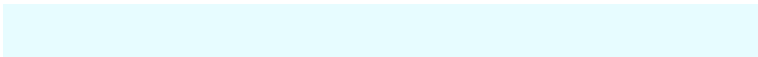
85.0860, 85.8734, 87.6936

Split Complementary

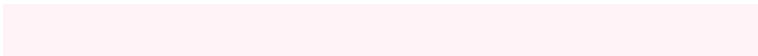
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.1166, 93.8297, 92.4809



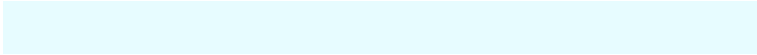
85.8154, 93.8297, 108.1957



93.2282, 93.8297, 101.9245

Square

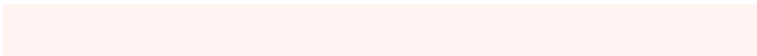
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8154, 93.8297, 108.1957



91.2641, 93.8297, 112.2457



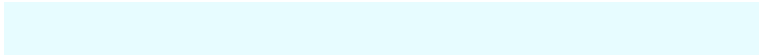
92.6362, 93.8297, 96.3619



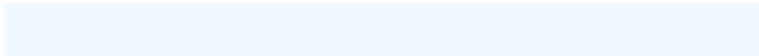
87.1325, 93.8297, 92.7060

Rectangle

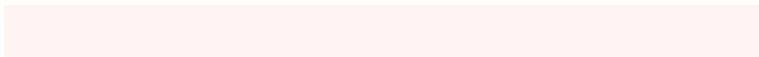
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8154, 93.8297, 108.1957



88.5741, 93.8297, 113.8696



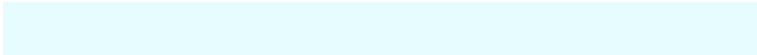
92.6362, 93.8297, 96.3619



89.7933, 93.8297, 91.2905

Sweetspot

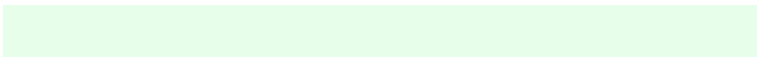
The Sweet Spot groups the original color and five complimentary colors.



85.8178, 93.8335, 108.1963



91.9875, 97.9703, 108.6696



83.5385, 94.4384, 91.5183



19.5180, 20.8557, 23.2468



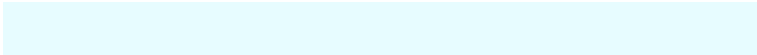
0.0000, 0.0000, 0.0000



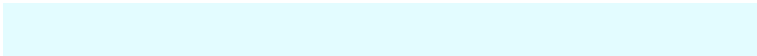
20.3446, 21.4041, 23.3091

Same Dimension

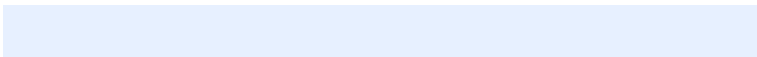
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8178, 93.8335, 108.1963



84.3663, 92.8498, 108.0830



82.2251, 86.6481, 106.9988



18.3501, 20.0717, 23.1570



23.3209, 31.5514, 54.2955



2.3226, 3.1758, 5.3039

Inverse Universe

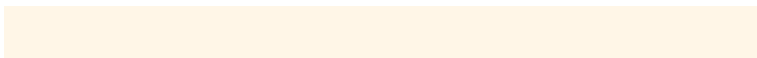
The Inverse Universe completely reimagines the original color for something new.



87.3881, 85.4417, 103.9860



86.1869, 83.1674, 103.1908



88.5593, 92.8201, 88.8514



18.6893, 18.2591, 22.2472



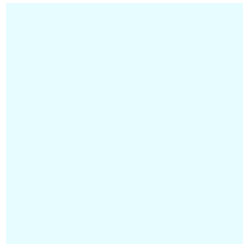
28.5595, 13.9131, 37.9264



2.8069, 1.3651, 3.8307

Previews

White Background



This preview shows how the XYZ color 85.8154, 93.8297, 108.1957 looks on a white background.

Color Contrast Check

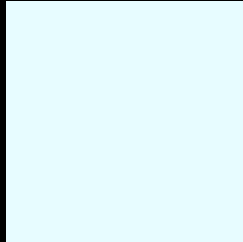
Large Text (above 18pt) WCAG AA × Fail

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 85.8154, 93.8297, 108.1957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

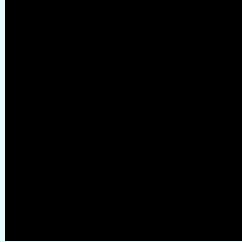
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.8154, 93.8297, 108.1957

Background



This preview shows how black text looks on a background with the XYZ color 85.8154, 93.8297, 108.1957.

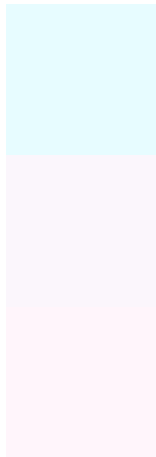


This preview shows how white text looks on a background with the XYZ color 85.8154, 93.8297,

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

85.8154, 93.8297, 108.1957

Protanopia

90.3101, 93.4490, 105.3731

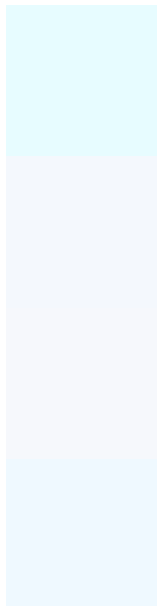
Deuteranopia

91.3050, 93.5299, 104.5076

Tritanopia

88.5795, 93.4095, 107.9689

Trichromacy



Original Color

85.8154, 93.8297, 108.1957

Protanomaly

88.6053, 93.4597, 106.2980

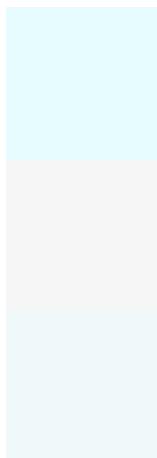
Deuteranomaly

89.1441, 93.7559, 105.4938

Tritanomaly

87.5223, 93.3221, 108.0078

Monochromacy



Original Color

85.8154, 93.8297, 108.1957

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 85.8154, 93.8297, 108.1957 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, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 252, 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(231, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.8154, 93.8297, 108.1957 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, 252, 255) }
```


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

```
.border{ border-color:rgb(231, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.8154, 93.8297, 108.1957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 252, 255) }
```

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

```
.background{ background-color: rgb(231,  
252, 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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