

Converting Colors

XYZ(85.5630, 93.5771,
108.1603)

Have a look what the booklet for
XYZ(85.5630, 93.5771, 108.1603)
contains.

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Color

**XYZ(85.4935, 93.6638,
108.1807)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FCFF
RGB	230, 252, 255
RGB Percent	90%, 99%, 100%
CMY	0.0980, 0.0117, 0.0000
CMYK	0.10, 0.01, 0.00, 0.00
HSL	187°, 100%, 95%
HSV	187°, 10%, 100%
XYZ	85.4935, 93.6638, 108.1807
YIQ	245.7640, -14.0750, -3.7310

Conversions

Conversions Part 2

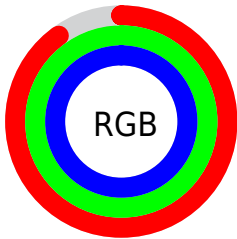
Format	Color
R _Y B	230, 242, 255
Decimal	15138047
CIE Lab	97.50, -6.56, -3.89
CIE LCh	97, 7.621, 210.657
Yxy	93.6638, 0.2975, 0.3260
Android (android.graphics.Color)	4293328127 (0xFFE6FCFF)
YUV	245.7640, 4.5533, -13.8250
Hunter-Lab	96.7801, -11.6819, 1.4717

Details

The XYZ color **85.4935, 93.6638, 108.1807** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.6611, 85.2491, 86.8570**, and the grayscale version is **87.3813, 91.9320, 100.1139**.

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 **76.9502, 87.8495, 107.5087**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

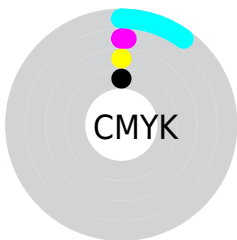
Distribution



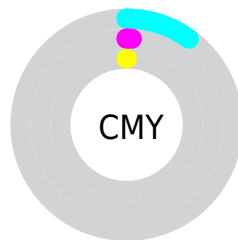
- Red (90%)
- Green (99%)
- Blue (100%)



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



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.4935, 93.6638, 108.1807 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 85.4935, 93.6638, 108.1807 by changing the saturation by 10% instead.

85.4935, 93.6638,
108.1807

85.4935, 93.6638,
108.1807

501.7187,
539.8784, 607.5836

64.5731, 71.0234,
82.4951

139.9729,
152.4173, 174.5043

47.3784, 52.3613,
61.2355

174.2627,
189.2991, 215.9794

33.5441, 37.2931,
43.9835

213.7396,
231.6969, 263.5547

22.7048, 25.4345,
30.3204

258.7690,
279.9950, 317.6488

14.4952, 16.4011,
19.8278

309.7162,
334.5778, 378.6802

8.5499, 9.8084,
12.0871

366.9467,

4.5035, 5.2721,

395.8297, 447.0674

6.6798

430.8257,
464.1351, 523.2290

■ 1.9907, 2.4078,
3.1873

■ 0.6288, 0.8299,
1.1910

■ 85.4935, 93.6638,
108.1807

■ 85.4935, 93.6638,
108.1807

■ 76.9502, 87.8495,
107.5087

95.0500, 100.0000,
108.9000

■ 69.5651, 82.6525,
106.8948

■ 63.2851, 78.0478,
106.3370

■ 58.0499, 74.0043,
105.8325

■ 53.7934, 70.4879,
105.3781

■ 50.4420, 67.4603,
104.9703

■ 47.9113, 64.8782,
104.6053

■ 46.1010, 62.6895,
104.2783

■ 44.8504, 60.8114,
103.9817

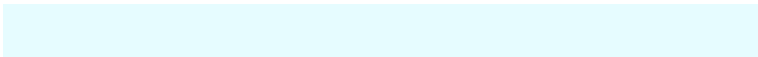
Harmonies

Analogous

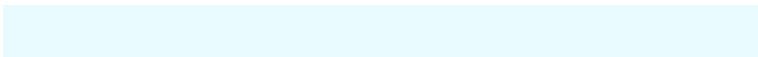
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9290, 93.6638, 102.1206



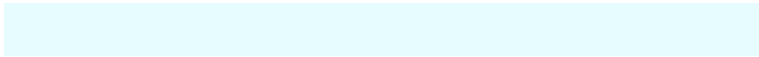
85.4935, 93.6638, 108.1807



87.0014, 93.6638, 112.7267

Triad

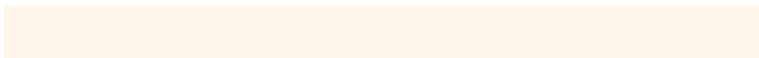
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4935, 93.6638, 108.1807



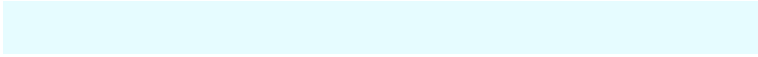
92.7007, 93.6638, 107.9349



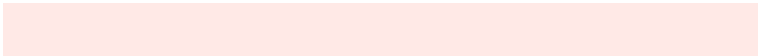
88.9770, 93.6638, 90.5278

Complementary

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



85.4935, 93.6638, 108.1807



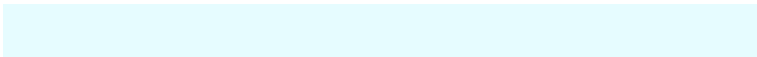
84.6611, 85.2491, 86.8570

Split Complementary

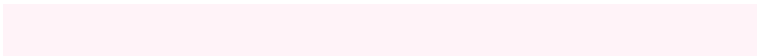
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.0790, 93.6638, 91.9464



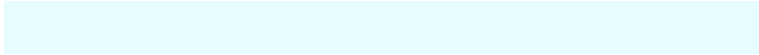
85.4935, 93.6638, 108.1807



93.2498, 93.6638, 101.8475

Square

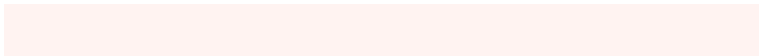
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.4935, 93.6638, 108.1807



91.1628, 93.6638, 112.5808



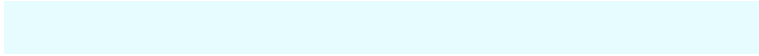
92.6517, 93.6638, 96.0285



86.9201, 93.6638, 92.0739

Rectangle

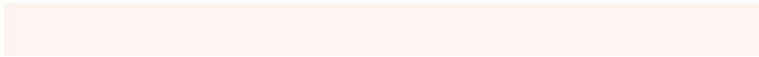
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



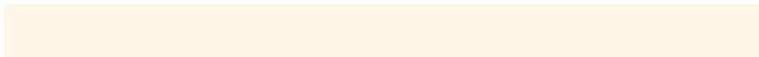
85.4935, 93.6638, 108.1807



88.3509, 93.6638, 114.1983



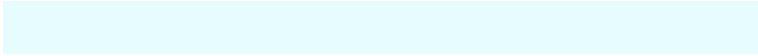
92.6517, 93.6638, 96.0285



89.7018, 93.6638, 90.6731

Sweetspot

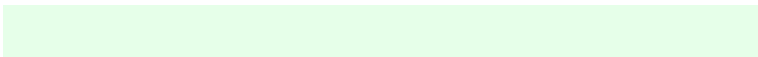
The Sweet Spot groups the original color and five complimentary colors.



85.4959, 93.6676, 108.1813



91.9997, 97.9946, 108.6737



83.0901, 94.2219, 90.8370



19.5213, 20.8623, 23.2479



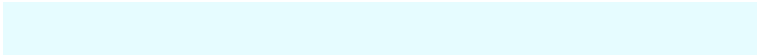
0.0000, 0.0000, 0.0000



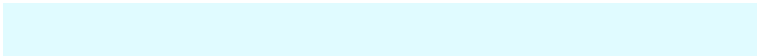
20.3446, 21.4041, 23.3091

Same Dimension

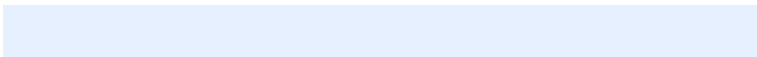
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4959, 93.6676, 108.1813



83.5164, 92.3348, 108.0284



81.7217, 86.1192, 106.9232



18.3582, 20.0880, 23.1597



23.4971, 31.9038, 54.3542



2.3380, 3.2067, 5.3090

Inverse Universe

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



87.1089, 84.8834, 103.8931



85.4687, 81.7727, 102.8225



88.3020, 92.5310, 88.0706



18.6935, 18.2607, 22.2688



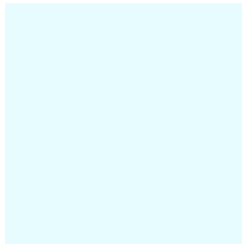
28.6485, 13.9487, 38.3948



2.8147, 1.3683, 3.8717

Previews

White Background



This preview shows how the XYZ color 85.4935, 93.6638, 108.1807 looks on a white background.

Color Contrast Check

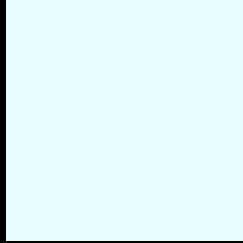
Large Text (above 18pt) WCAG AA × Fail

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 85.4935, 93.6638, 108.1807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

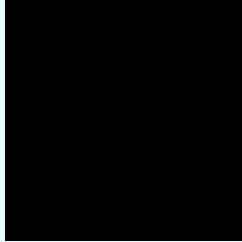
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.4935, 93.6638, 108.1807

Background



This preview shows how black text looks on a background with the XYZ color 85.4935, 93.6638, 108.1807.

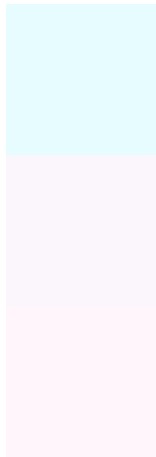


This preview shows how white text looks on a background with the XYZ color 85.4935, 93.6638,

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

85.4935, 93.6638, 108.1807

Protanopia

90.3101, 93.4490, 105.3731

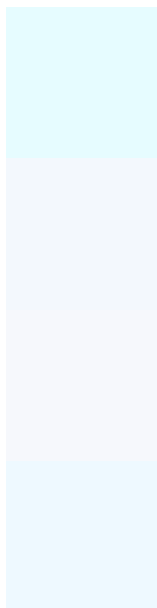
Deuteranopia

91.3050, 93.5299, 104.5076

Tritanopia

88.5795, 93.4095, 107.9689

Trichromacy



Original Color

85.4935, 93.6638, 108.1807

Protanomaly

88.2592, 93.2813, 106.2818

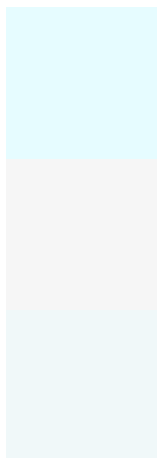
Deuteranomaly

89.1441, 93.7559, 105.4938

Tritanomaly

87.1856, 93.1485, 107.9920

Monochromacy



Original Color

85.4935, 93.6638, 108.1807

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.6015, 92.4996, 102.9124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.4935, 93.6638, 108.1807 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, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.4935, 93.6638, 108.1807 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, 252, 255) }
```


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

```
.border{ border-color:rgb(230, 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(230, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.4935, 93.6638, 108.1807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 252, 255) }
```

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

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