

Converting Colors

XYZ(86.4626, 93.9027,
115.0128)

Have a look what the booklet for
XYZ(86.4626, 93.9027, 115.0128)
contains.

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Color

**XYZ(85.1735, 93.4988,
108.1657)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FCFF
RGB	229, 252, 255
RGB Percent	90%, 99%, 100%
CMY	0.1020, 0.0117, 0.0000
CMYK	0.10, 0.01, 0.00, 0.00
HSL	187°, 100%, 95%
HSV	187°, 10%, 100%
XYZ	85.1735, 93.4988, 108.1657
YIQ	245.4650, -14.6710, -3.9430

Conversions

Conversions Part 2

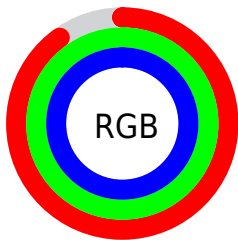
Format	Color
R_{YB}	229, 241, 255
Decimal	15072511
CIE _{Lab}	97.43, -6.87, -3.99
CIE _{LCh}	97, 7.946, 210.153
Yxy	93.4988, 0.2969, 0.3260
Android (android.graphics.Color)	4293262591 (0xFFE5FCFF)
YUV	245.4650, 4.7008, -14.4398
Hunter-Lab	96.6948, -11.9843, 1.3628

Details

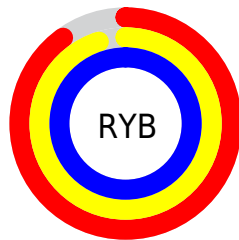
The XYZ color **85.1735, 93.4988, 108.1657** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.2389, 84.6286, 86.0254**, and the grayscale version is **87.1393, 91.6774, 99.8367**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9417, 51.9917, 60.9874** is the 20% darker color. If you saturate the color by 10%, you get **76.7124, 87.7807, 107.5079**, and if you desaturate by 10%, it is **94.8488, 99.8691, 108.8853**.

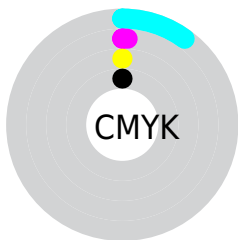
Distribution



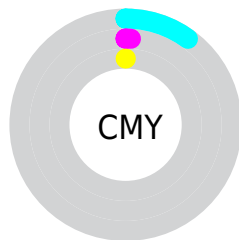
- Red (90%)
- Green (99%)
- Blue (100%)



- 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 85.1735, 93.4988, 108.1657 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 85.1735, 93.4988, 108.1657 by changing the saturation by 10% instead.

85.1735, 93.4988,
108.1657

85.1735, 93.4988,
108.1657

500.6770,
539.3478, 607.5362

64.3077, 70.8862,
82.4825

139.5283,
152.1890, 174.4837

47.1626, 52.2493,
61.2252

173.7481,
189.0354, 215.9556

33.3727, 37.2038,
43.9752

213.1499,
231.3951, 263.5276

22.5727, 25.3653,
30.3140

258.0991,
279.6525, 317.6180

14.3973, 16.3495,
19.8230

308.9611,
334.1921, 378.6456

8.4810, 9.7718,
12.0836

366.1011,

4.4586, 5.2479,

395.3983, 447.0288

6.6774

429.8847,
463.6554, 523.1861

■ 1.9647, 2.3934,
3.1858

■ 0.6140, 0.8225,
1.1903

■ 85.1735, 93.4988,
108.1657

■ 85.1735, 93.4988,
108.1657

■ 76.7124, 87.7807,
107.5079

94.8488, 99.8691,
108.8853

■ 69.4062, 82.6765,
106.9078

95.0500, 100.0000,
108.9000

■ 63.2017, 78.1612,
106.3633

■ 58.0384, 74.2036,
105.8715

■ 53.8500, 70.7693,
105.4294

■ 50.5624, 67.8201,
105.0334

■ 48.0909, 65.3122,
104.6796

■ 46.3343, 63.1933,
104.3632

■ 45.1453, 61.4106,
104.0818

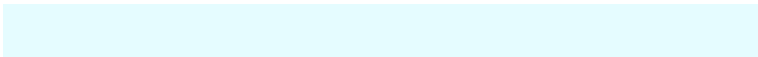
Harmonies

Analogous

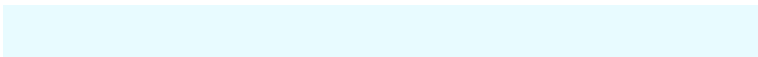
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6049, 93.4988, 101.8374



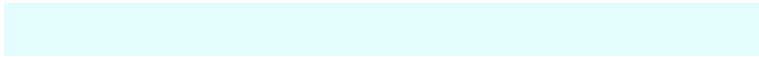
85.1735, 93.4988, 108.1657



86.7287, 93.4988, 112.9514

Triad

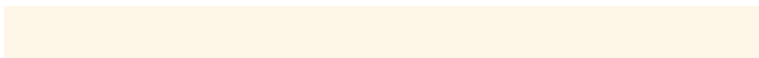
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1735, 93.4988, 108.1657



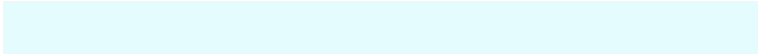
92.6793, 93.4988, 108.1061



88.8563, 93.4988, 89.8923

Complementary

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



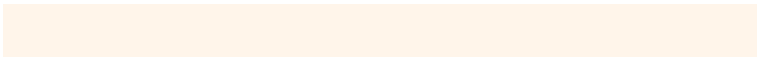
85.1735, 93.4988, 108.1657



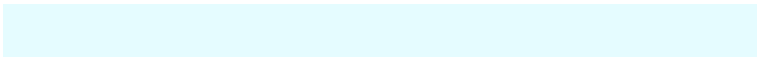
84.2389, 84.6286, 86.0254

Split Complementary

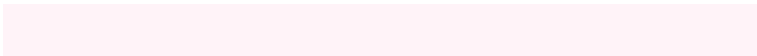
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.0418, 93.4988, 91.4158



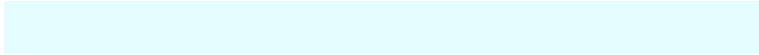
85.1735, 93.4988, 108.1657



93.2716, 93.4988, 101.7712

Square

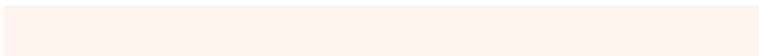
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1735, 93.4988, 108.1657



91.0621, 93.4988, 112.9160



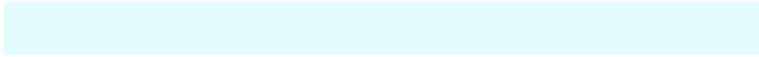
92.6674, 93.4988, 95.6973



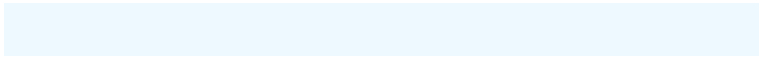
86.7090, 93.4988, 91.4466

Rectangle

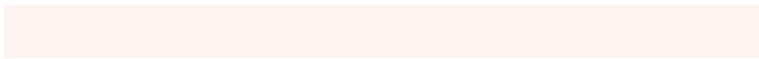
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



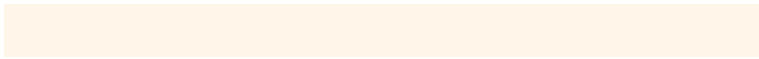
85.1735, 93.4988, 108.1657



88.1288, 93.4988, 114.5269



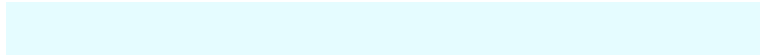
92.6674, 93.4988, 95.6973



89.6109, 93.4988, 90.0606

Sweetspot

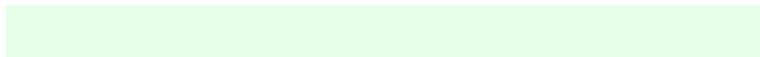
The Sweet Spot groups the original color and five complimentary colors.



85.1759, 93.5026, 108.1663



92.0109, 98.0169, 108.6774



82.5828, 93.9820, 89.8356



19.5243, 20.8684, 23.2489



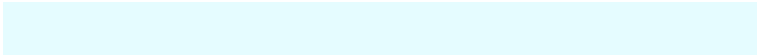
0.0000, 0.0000, 0.0000



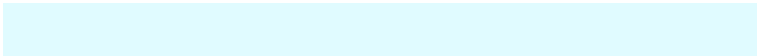
20.3446, 21.4041, 23.3091

Same Dimension

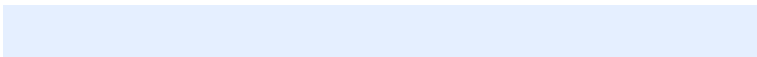
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1759, 93.5026, 108.1663



83.5605, 92.4230, 108.0431



81.3479, 85.8466, 106.8903



18.3657, 20.1030, 23.1622



23.6606, 32.2308, 54.4087



2.3523, 3.2353, 5.3138

Inverse Universe

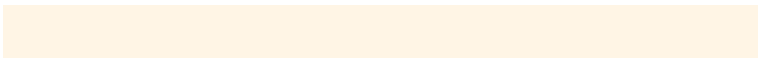
The Inverse Universe completely reimagines the original color for something new.



86.8315, 84.3285, 103.8005



85.4909, 81.7816, 102.9397



87.9149, 91.9808, 87.2508



18.6972, 18.2622, 22.2888



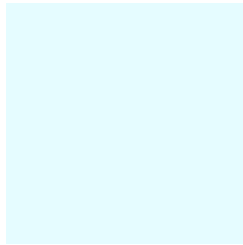
28.7310, 13.9817, 38.8294



2.8219, 1.3711, 3.9097

Previews

White Background



This preview shows how the XYZ color 85.1735, 93.4988, 108.1657 looks on a white background.

Color Contrast Check

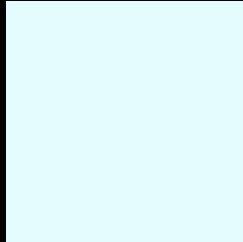
Large Text (above 18pt) WCAG AA × Fail

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 85.1735, 93.4988, 108.1657 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 85.1735, 93.4988, 108.1657

Background



This preview shows how black text looks on a background with the XYZ color 85.1735, 93.4988, 108.1657.

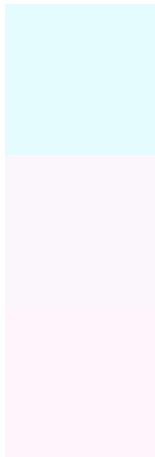


This preview shows how white text looks on a background with the XYZ color 85.1735, 93.4988,

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

85.1735, 93.4988, 108.1657

Protanopia

89.7927, 93.2006, 104.5237

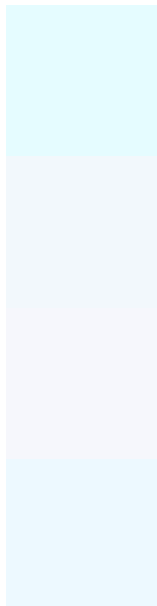
Deuteranopia

91.0033, 92.9264, 104.4070

Tritanopia

88.2354, 93.2320, 107.9528

Trichromacy



Original Color

85.1735, 93.4988, 108.1657

Protanomaly

87.7560, 93.0403, 105.4288

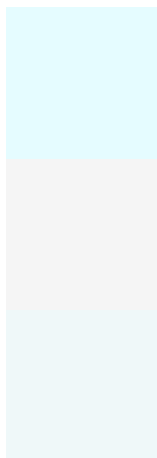
Deuteranomaly

88.8375, 93.1426, 105.3915

Tritanomaly

86.8507, 92.9759, 107.9764

Monochromacy



Original Color

85.1735, 93.4988, 108.1657

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.2629, 92.3251, 102.8965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.1735, 93.4988, 108.1657 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(229, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.1735, 93.4988, 108.1657 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(229, 252, 255) }
```


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

```
.border{ border-color:rgb(229, 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(229, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.1735, 93.4988, 108.1657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 252, 255) }
```

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

```
.background{ background-color: rgb(229,  
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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