

Converting Colors

XYZ(86.7698, 94.8535,
115.7309)

Have a look what the booklet for
XYZ(86.7698, 94.8535, 115.7309)
contains.

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Color

**XYZ(85.1702, 93.9645,
108.2558)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FDFF
RGB	228, 253, 255
RGB Percent	89%, 99%, 100%
CMY	0.1059, 0.0078, 0.0000
CMYK	0.11, 0.01, 0.00, 0.00
HSL	184°, 100%, 95%
HSV	184°, 11%, 100%
XYZ	85.1702, 93.9645, 108.2558
YIQ	245.7530, -15.5420, -4.6780

Conversions

Conversions Part 2

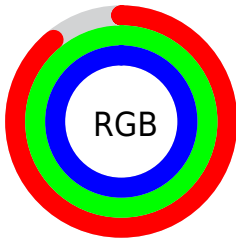
Format	Color
R _Y B	228, 241, 255
Decimal	15007231
CIE Lab	97.62, -7.69, -3.72
CIE LCh	98, 8.542, 205.838
Yxy	93.9645, 0.2964, 0.3270
Android (android.graphics.Color)	4293197311 (0xFFE4FDFF)
YUV	245.7530, 4.5588, -15.5694
Hunter-Lab	96.9353, -12.8014, 1.6406

Details

The XYZ color **85.1702, 93.9645, 108.2558** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.5399, 83.4535, 85.1056**, and the grayscale version is **87.3733, 91.9235, 100.1047**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9462, 52.3277, 61.0520** is the 20% darker color. If you saturate the color by 10%, you get **77.0784, 88.9170, 107.7080**, and if you desaturate by 10%, it is **94.4658, 99.6465, 108.8625**.

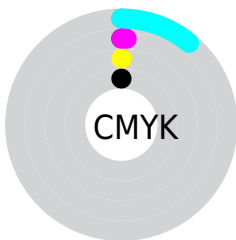
Distribution



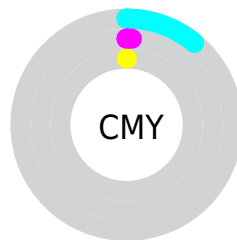
- Red (89%)
- Green (99%)
- Blue (100%)



- Red (89%)
- Yellow (95%)
- Blue (100%)



- Cyan (11%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.1702, 93.9645, 108.2558 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 85.1702, 93.9645, 108.2558 by changing the saturation by 10% instead.

85.1702, 93.9645,
108.2558

85.1702, 93.9645,
108.2558

500.6663,
540.8446, 607.8208

64.3050, 71.2734,
82.5578

139.5237,
152.8332, 174.6076

47.1603, 52.5654,
61.2869

173.7428,
189.7797, 216.0985

33.3709, 37.4559,
44.0247

213.1438,
232.2468, 263.6907

22.5713, 25.5607,
30.3526

258.0922,
280.6188, 317.8028

14.3963, 16.4953,
19.8520

308.9533,
335.2802, 378.8533

8.4803, 9.8753,
12.1045

366.0924,

4.4582, 5.3164,

396.6154, 447.2608

6.6915

429.8750,
465.0087, 523.4438

■ 1.9645, 2.4340,
3.1944

■ 0.6139, 0.8433,
1.1947

■ 85.1702, 93.9645,
108.2558

■ 85.1702, 93.9645,
108.2558

■ 77.0784, 88.9170,
107.7080

94.4658, 99.6465,
108.8625

■ 70.1311, 84.4657,
107.2149

95.0500, 100.0000,
108.9000

■ 64.2749, 80.5854,
106.7746

■ 59.4492, 77.2451,
106.3842

■ 55.5874, 74.4103,
106.0406

■ 52.6152, 72.0428,
105.7403

■ 50.4474, 70.0984,
105.4792

■ 48.9820, 68.5247,
105.2527

■ 48.0917, 67.3034,
105.0639

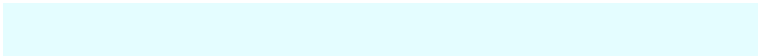
Harmonies

Analogous

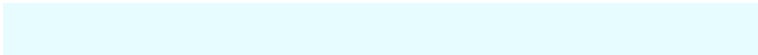
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7303, 93.9645, 101.3431



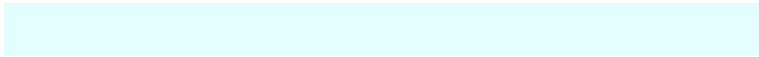
85.1702, 93.9645, 108.2558



86.7120, 93.9645, 113.7899

Triad

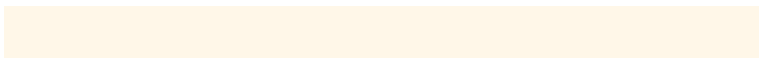
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1702, 93.9645, 108.2558



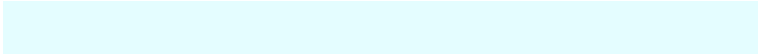
93.2333, 93.9645, 110.0121



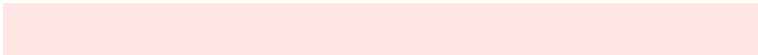
89.6500, 93.9645, 89.5353

Complementary

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



85.1702, 93.9645, 108.2558



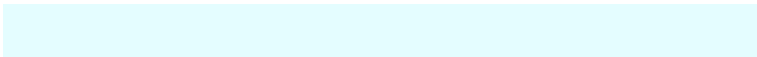
83.5399, 83.4535, 85.1056

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.



91.9603, 93.9645, 91.6320



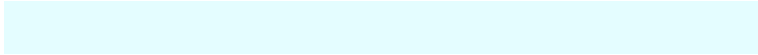
85.1702, 93.9645, 108.2558



94.0528, 93.9645, 103.2857

Square

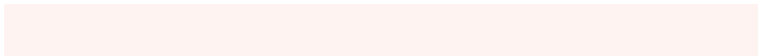
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



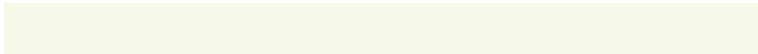
85.1702, 93.9645, 108.2558



91.3626, 93.9645, 114.8357



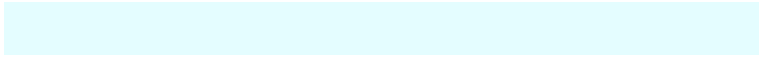
93.5827, 93.9645, 96.5886



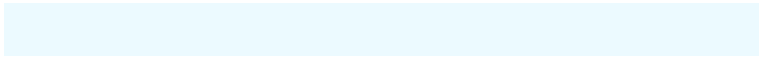
87.2892, 93.9645, 90.7325

Rectangle

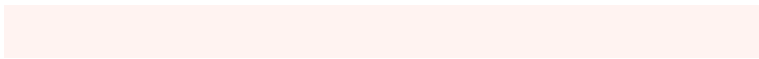
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.1702, 93.9645, 108.2558



88.1720, 93.9645, 115.8444



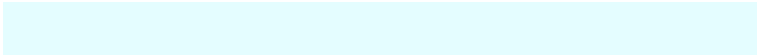
93.5827, 93.9645, 96.5886



90.4587, 93.9645, 89.8756

Sweetspot

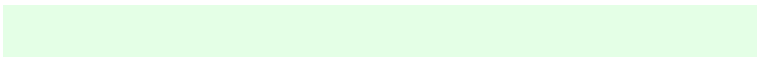
The Sweet Spot groups the original color and five complimentary colors.



85.1726, 93.9683, 108.2564



92.1113, 98.2178, 108.7109



82.0108, 93.7164, 88.4840



19.5515, 20.9228, 23.2580



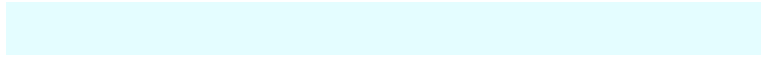
0.0000, 0.0000, 0.0000



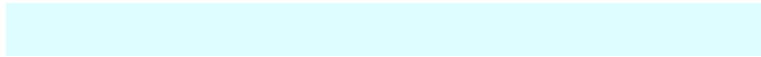
20.3446, 21.4041, 23.3091

Same Dimension

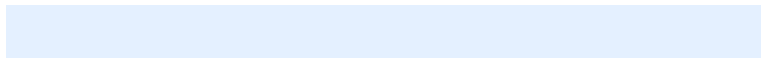
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1726, 93.9683, 108.2564



83.1119, 92.6932, 108.1189



81.1179, 85.8588, 106.9048



18.4333, 20.2381, 23.1848



25.1774, 35.2645, 54.9143



2.4843, 3.4994, 5.3578

Inverse Universe

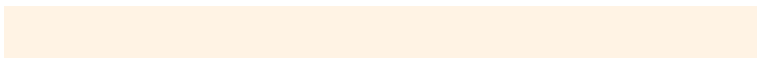
The Inverse Universe completely reimagines the original color for something new.



86.7145, 83.8403, 104.5455



84.9796, 80.4862, 103.6103



87.3847, 91.1431, 86.3872



18.7313, 18.2758, 22.4683



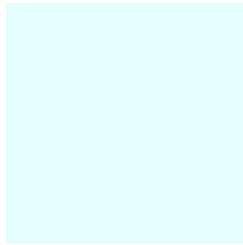
29.4966, 14.2879, 42.8611



2.8886, 1.3978, 4.2607

Previews

White Background



This preview shows how the XYZ color 85.1702, 93.9645, 108.2558 looks on a white background.

Color Contrast Check

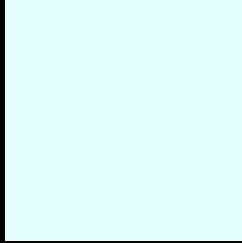
Large Text (above 18pt) WCAG AA × Fail

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 85.1702, 93.9645, 108.2558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

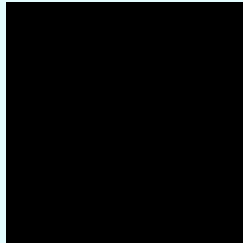
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.1702, 93.9645, 108.2558

Background



This preview shows how black text looks on a background with the XYZ color 85.1702, 93.9645, 108.2558.

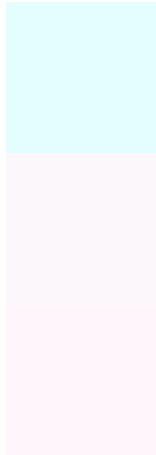


This preview shows how white text looks on a background with the XYZ color 85.1702, 93.9645,

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

85.1702, 93.9645, 108.2558

Protanopia

90.4570, 93.9958, 104.6422

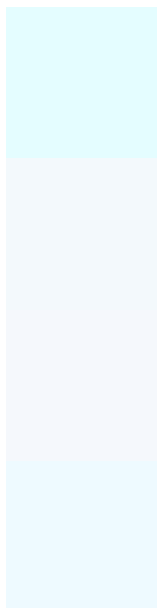
Deuteranopia

91.3050, 93.5299, 104.5076

Tritanopia

88.8878, 94.0260, 108.0717

Trichromacy



Original Color

85.1702, 93.9645, 108.2558

Protanomaly

88.4085, 93.8343, 105.5477

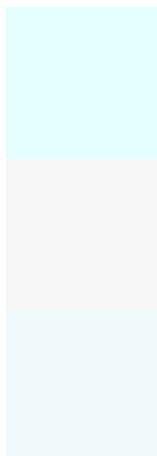
Deuteranomaly

88.7943, 93.5756, 105.4774

Tritanomaly

87.4955, 93.7684, 108.0953

Monochromacy



Original Color

85.1702, 93.9645, 108.2558

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.5712, 92.9416, 102.9993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.1702, 93.9645, 108.2558 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(228, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 253, 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(228, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.1702, 93.9645, 108.2558 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(228, 253, 255) }
```


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

```
.border{ border-color:rgb(228, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.1702, 93.9645, 108.2558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 253, 255) }
```

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

```
.background{ background-color: rgb(228,  
253, 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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