

# Converting Colors

XYZ(85.0997, 94.9135,  
106.4871)

Have a look what the booklet for  
XYZ(85.0997, 94.9135, 106.4871)  
contains.

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# Color

**XYZ(85.1682, 94.9427,  
106.7654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FFFD
RGB	227, 255, 253
RGB Percent	89%, 100%, 99%
CMY	0.1098, 0.0000, 0.0078
CMYK	0.11, 0.00, 0.01, 0.00
HSL	176°, 100%, 95%
HSV	176°, 11%, 100%
XYZ	85.1682, 94.9427, 106.7654
YIQ	246.4000, -16.0460, -6.5580

# Conversions

## Conversions Part 2

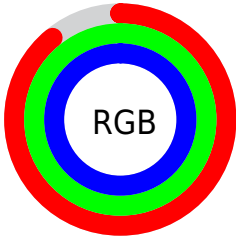
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 242, 255
Decimal	14942205
CIE <sub>Lab</sub>	98.01, -9.39, -2.12
CIE <sub>LCh</sub>	98, 9.623, 192.758
Yxy	94.9427, 0.2969, 0.3310
Android (android.graphics.Color)	4293132285 (0xFFE3FFFD)
YUV	246.4000, 3.2538, -17.0138
Hunter-Lab	97.4385, -14.4958, 3.2417

# Details

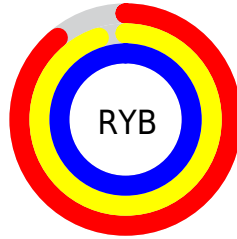
The XYZ color **85.1682, 94.9427, 106.7654** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.8527, 81.8566, 85.5623**, and the grayscale version is **87.9046, 92.4825, 100.7135**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9525, 53.0316, 59.9860** is the 20% darker color. If you saturate the color by 10%, you get **77.4239, 90.9838, 104.8980**, and if you desaturate by 10%, it is **94.1084, 99.5179, 108.7062**.

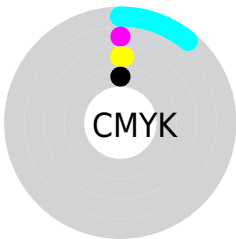
# Distribution



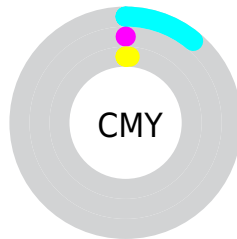
- Red (89%)
- Green (100%)
- Blue (99%)



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



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




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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.1682, 94.9427, 106.7654 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 85.1682, 94.9427, 106.7654 by changing the saturation by 10% instead.




 85.1682, 94.9427,  
106.7654

 85.1682, 94.9427,  
106.7654


500.6598,  
543.9815, 603.1031

 64.3033, 72.0873,  
81.3142


139.5210,  
154.1854, 172.5564

 47.1590, 53.2300,  
60.2679


173.7396,  
191.3416, 213.7334

 33.3698, 37.9864,  
43.2079


213.1401,  
234.0334, 260.9893

 22.5705, 25.9721,  
29.7157

258.0880,  
282.6452, 314.7428

 14.3956, 16.8028,  
19.3727

308.9486,  
337.5616, 375.4124

 8.4799, 10.0940,  
11.7603

366.0871,

 4.4579, 5.4613,

399.1668, 443.4167

6.4601

429.8691,  
467.8454, 519.1740

■ 1.9643, 2.5204,  
3.0536

■ 0.6138, 0.8868,  
1.1221

■ 85.1682, 94.9427,  
106.7654

■ 85.1682, 94.9427,  
106.7654

■ 77.4239, 90.9838,  
104.8980

94.1084, 99.5179,  
108.7062

■ 70.8204, 87.6125,  
103.0969

95.0500, 100.0000,  
108.9000

■ 65.3026, 84.8007,  
101.3610

■ 60.8097, 82.5169,  
99.6874

■ 57.2749, 80.7267,  
98.0728

■ 54.6235, 79.3917,  
96.5139

■ 52.7698, 78.4675,  
95.0065

■ 51.6110, 77.9012,  
93.5458

■ 51.0168, 77.6227,  
92.2614

# Harmonies

## Analogous

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



85.2715, 94.9427, 98.9415



85.1682, 94.9427, 106.7654



86.4038, 94.9427, 114.0296

# Triad

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



85.1682, 94.9427, 106.7654



93.8871, 94.9427, 114.9287



91.8206, 94.9427, 89.5445

# Complementary

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



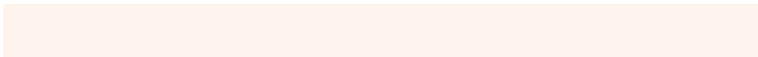
85.1682, 94.9427, 106.7654



82.8527, 81.8566, 85.5623

# 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.



94.1885, 94.9427, 93.4084



85.1682, 94.9427, 106.7654



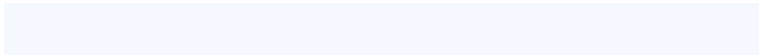
95.3982, 94.9427, 107.9420

# Square

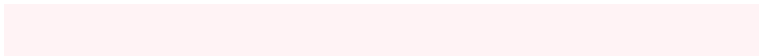
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



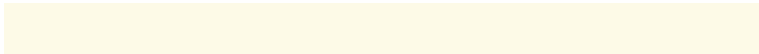
85.1682, 94.9427, 106.7654



91.4159, 94.9427, 118.9014



95.5096, 94.9427, 100.0600



89.0746, 94.9427, 89.2654

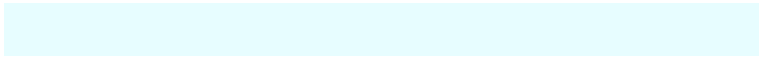


# Rectangle

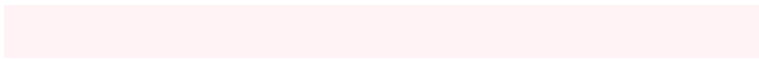
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



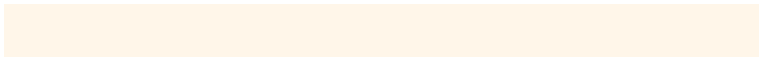
85.1682, 94.9427, 106.7654



87.8353, 94.9427, 117.4701



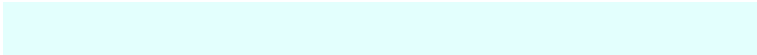
95.5096, 94.9427, 100.0600



92.6885, 94.9427, 90.4578

# Sweetspot

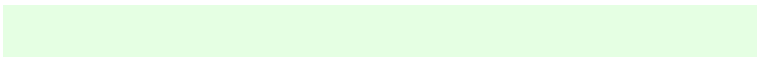
The Sweet Spot groups the original color and five complimentary colors.



85.1692, 94.9432, 106.7669



92.2035, 98.5427, 108.3086



82.0457, 93.7794, 86.4517



19.5765, 21.0109, 23.1489



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

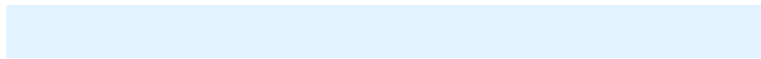
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1692, 94.9432, 106.7669



83.5096, 94.0945, 106.3837



81.8800, 87.8528, 107.2495



18.4956, 20.4578, 22.9128



26.6811, 40.5690, 48.3336

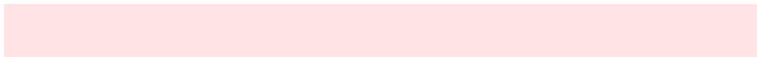


2.6139, 3.9565, 4.7908

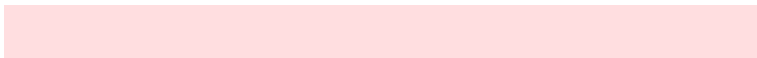


# Inverse Universe

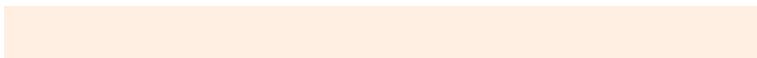
The Inverse Universe completely reimagines the original color for something new.



82.8527, 81.8566, 85.5623



80.8053, 78.8165, 81.6289



85.8749, 88.3450, 85.2010



18.0620, 18.0081, 18.9434



21.6257, 11.1396, 1.4135



2.1231, 1.0916, 0.2295



# Previews

## White Background



This preview shows how the XYZ color 85.1682, 94.9427, 106.7654 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

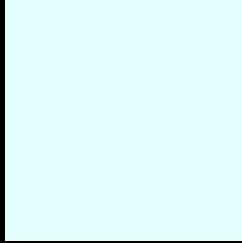
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.1682, 94.9427, 106.7654 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 85.1682, 94.9427, 106.7654

## Background



This preview shows how black text looks on a background with the XYZ color 85.1682, 94.9427, 106.7654.



This preview shows how white text looks on a background with the XYZ color 85.1682, 94.9427,

106.7654.

# Color Blindness Simulation

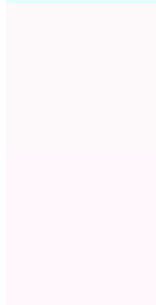
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

85.1682, 94.9427, 106.7654



### Protanopia

91.1743, 94.8570, 103.1264

### Deuteranopia

91.9134, 94.7466, 104.7103

## **Tritanopia**

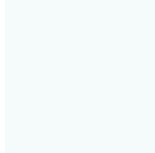
89.5438, 94.8243, 108.1912

# Trichromacy



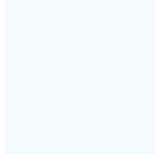
## Original Color

85.1682, 94.9427, 106.7654



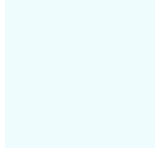
## Protanomaly

89.0607, 95.1296, 104.1103



## Deuteranomaly

89.4125, 94.8120, 105.6835



## Tritanomaly

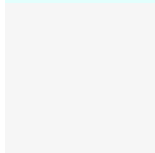
87.9597, 94.9537, 107.4579

# Monochromacy



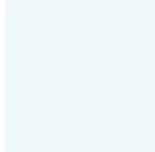
## Original Color

85.1682, 94.9427, 106.7654



## 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 85.1682, 94.9427, 106.7654 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(227, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 253)  
}
```

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(227, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 85.1682, 94.9427, 106.7654 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(227, 255, 253) }
```



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

```
.border{ border-color:rgb(227, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.1682, 94.9427, 106.7654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 253) }
```

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

```
.background{ background-color: rgb(227,  
255, 253) }
```

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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