

# Converting Colors

XYZ(86.9687, 95.8497,  
107.8105)

Have a look what the booklet for  
XYZ(86.9687, 95.8497, 107.8105)  
contains.

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# **Color**

**XYZ(86.9281, 95.8316,  
107.6817)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FFFE
RGB	232, 255, 254
RGB Percent	91%, 100%, 100%
CMY	0.0902, 0.0000, 0.0039
CMYK	0.09, 0.00, 0.00, 0.00
HSL	177°, 100%, 95%
HSV	177°, 9%, 100%
XYZ	86.9281, 95.8316, 107.6817
YIQ	248.0090, -13.3870, -5.1870

# Conversions

## Conversions Part 2

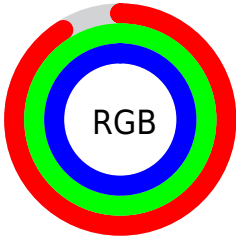
Format	Color
R <sub>Y</sub> B	232, 244, 255
Decimal	15269886
CIE Lab	98.37, -7.62, -2.08
CIE LCh	98, 7.895, 195.277
Yxy	95.8316, 0.2993, 0.3300
Android (android.graphics.Color)	4293459966 (0xFFE8FFFE)
YUV	248.0090, 2.9536, -14.0399
Hunter-Lab	97.8936, -12.8084, 3.3073

# Details

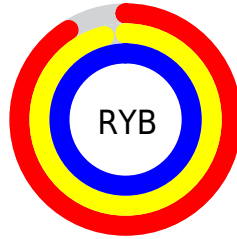
The XYZ color **86.9281, 95.8316, 107.6817** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.8052, 84.8575, 89.0003**, and the grayscale version is **89.2145, 93.8607, 102.2142**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1766, 53.6495, 60.6395** is the 20% darker color. If you saturate the color by 10%, you get **79.0661, 91.7989, 106.3926**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



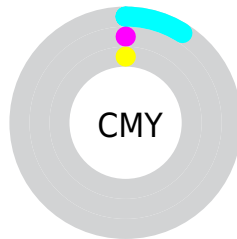
- Red (91%)
- Green (100%)
- Blue (100%)



- Red (91%)
- Yellow (96%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.9281, 95.8316, 107.6817 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 86.9281, 95.8316, 107.6817 by changing the saturation by 10% instead.



86.9281, 95.8316,  
107.6817

86.9281, 95.8316,  
107.6817

506.3747,  
546.8238, 606.0059

65.7635, 72.8273,  
82.0786

141.9641,  
155.4130, 173.8178

48.3475, 53.8348,  
60.8942

176.5662,  
192.7589, 215.1880

34.3145, 38.4696,  
43.7098

216.3783,  
235.6541, 262.6509

23.2994, 26.3473,  
30.1069

261.7656,  
284.4830, 316.6251

14.9366, 17.0837,  
19.6670

313.0936,  
339.6301, 377.5292

8.8609, 10.2942,  
11.9715

370.7275,

4.7070, 5.5944,

401.4796, 445.7816

6.6020

435.0327,  
470.4161, 521.8010

■ 2.1094, 2.6001,  
3.1398

■ 0.6943, 0.9267,  
1.1665

■ 86.9281, 95.8316,  
107.6817

■ 86.9281, 95.8316,  
107.6817

■ 79.0661, 91.7989,  
106.3926

95.0500, 100.0000,  
108.9000

■ 72.3536, 88.3588,  
105.1611

■ 66.7365, 85.4833,  
103.9862

■ 62.1549, 83.1415,  
102.8652

■ 58.5433, 81.2996,  
101.7948

■ 55.8289, 79.9201,  
100.7717

■ 53.9283, 78.9600,  
99.7920

■ 52.7429, 78.3685,  
98.8510

■ 52.1266, 78.0703,  
97.9420

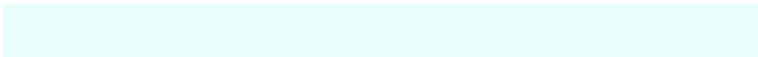
# Harmonies

## Analogous

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



86.9175, 95.8316, 101.1911



86.9281, 95.8316, 107.6817



88.0400, 95.8316, 113.5056

# Triad

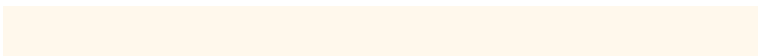
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9281, 95.8316, 107.6817



94.2301, 95.8316, 113.4151



92.2019, 95.8316, 92.6853

# Complementary

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



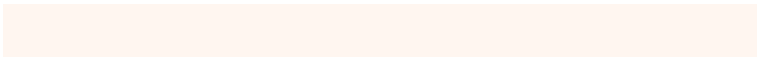
86.9281, 95.8316, 107.6817



84.8052, 84.8575, 89.0003

# 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.



94.1996, 95.8316, 95.6898



86.9281, 95.8316, 107.6817



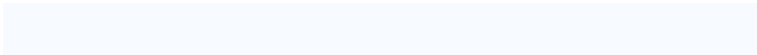
95.3838, 95.8316, 107.5624

# Square

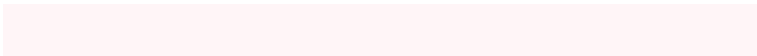
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9281, 95.8316, 107.6817



92.2430, 95.8316, 116.9084



95.3725, 95.8316, 101.0766



89.9368, 95.8316, 92.7143

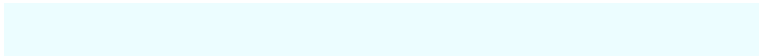


# Rectangle

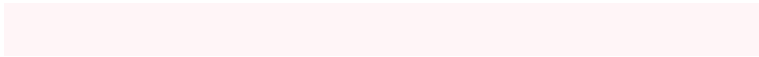
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.9281, 95.8316, 107.6817



89.2669, 95.8316, 116.1485



95.3725, 95.8316, 101.0766



92.9278, 95.8316, 93.3683

# Sweetspot

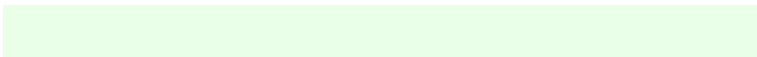
The Sweet Spot groups the original color and five complimentary colors.



86.9290, 95.8320, 107.6832



92.2379, 98.5565, 108.4896



83.9796, 94.6955, 90.1973



19.5859, 21.0146, 23.1980



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

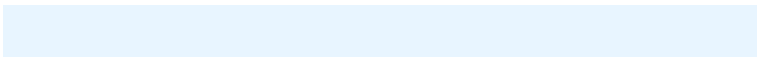
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9290, 95.8320, 107.6832



85.2774, 94.9846, 107.4227



83.8762, 89.4699, 107.4564



18.5188, 20.4670, 23.0349



27.2273, 40.7875, 51.2097

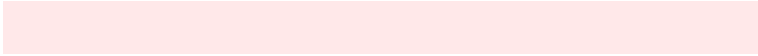


2.6612, 3.9754, 5.0395

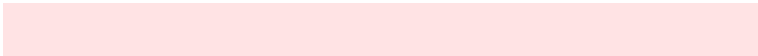


# Inverse Universe

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



84.8052, 84.8575, 89.0003



82.7223, 81.7816, 84.9462



87.6625, 90.7998, 89.2512



18.0413, 17.9998, 18.8348



21.5943, 11.1270, 1.2480

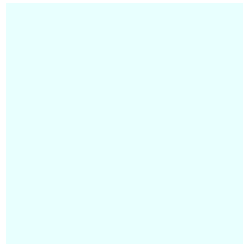


2.1133, 1.0877, 0.1780



# Previews

## White Background



This preview shows how the XYZ color 86.9281, 95.8316, 107.6817 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

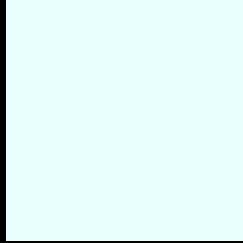
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.9281, 95.8316, 107.6817 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

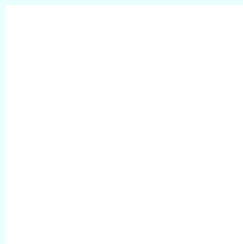
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 86.9281, 95.8316, 107.6817

## Background



This preview shows how black text looks on a background with the XYZ color 86.9281, 95.8316, 107.6817.



This preview shows how white text looks on a background with the XYZ color 86.9281, 95.8316, 107.6817.



# 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

86.9281, 95.8316, 107.6817

### Protanopia

92.0041, 95.7243, 104.0700

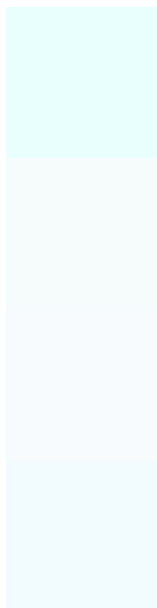
### Deuteranopia

92.3781, 95.4231, 105.6451

## Tritanopia

90.9050, 95.9885, 108.3442

# Trichromacy



## Original Color

86.9281, 95.8316, 107.6817

## Protanomaly

89.9158, 95.5522, 104.9711

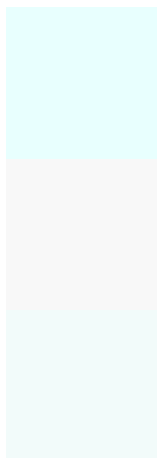
## Deuteranomaly

90.5846, 95.8604, 106.6571

## Tritanomaly

89.4784, 95.7181, 108.3672

# Monochromacy



## Original Color

86.9281, 95.8316, 107.6817

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

88.3704, 94.7737, 104.0780

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.9281, 95.8316, 107.6817 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(232, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 254)  
}
```

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(232, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 86.9281, 95.8316, 107.6817 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(232, 255, 254) }
```



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

```
.border{ border-color:rgb(232, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.9281, 95.8316, 107.6817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 254) }
```

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

```
.background{ background-color: rgb(232,  
255, 254) }
```

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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