

# Converting Colors

XYZ(91.8622, 89.9079,  
154.4767)

Have a look what the booklet for  
XYZ(91.8622, 89.9079, 154.4767)  
contains.

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# **Color**

**XYZ(82.8482, 86.4454,  
106.9268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAEFFF
RGB	234, 239, 255
RGB Percent	92%, 94%, 100%
CMY	0.0823, 0.0627, 0.0000
CMYK	0.08, 0.06, 0.00, 0.00
HSL	226°, 100%, 96%
HSV	226°, 8%, 100%
XYZ	82.8482, 86.4454, 106.9268
YIQ	239.3290, -8.1160, 3.9160

# Conversions

## Conversions Part 2

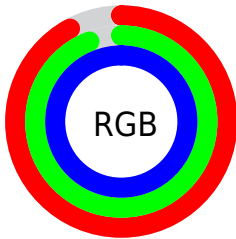
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 238, 255
Decimal	15396863
CIE <sub>Lab</sub>	94.50, 1.32, -8.27
CIE <sub>LCh</sub>	95, 8.378, 279.058
Y <sub>xy</sub>	86.4454, 0.2999, 0.3130
Android (android.graphics.Color)	4293586943 (0xFFEAEFFF)
<b>Y<sub>UV</sub></b>	239.3290, 7.7258, -4.6735
Hunter-Lab	92.9760, -3.6519, -3.1031

# Details

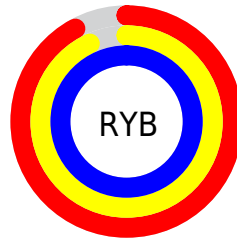
The XYZ color **82.8482, 86.4454, 106.9268** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.2762, 95.5699, 91.5323**, and the grayscale version is **82.2485, 86.5319, 94.2332**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4866, 47.4092, 60.1796** is the 20% darker color. If you saturate the color by 10%, you get **69.6873, 71.6697, 104.7685**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

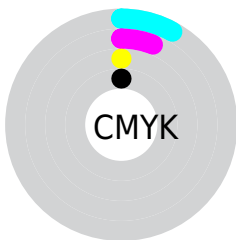
# Distribution



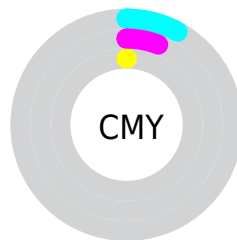
- Red (92%)
- Green (94%)
- Blue (100%)



- Red (92%)
- Yellow (93%)
- Blue (100%)



- Cyan (8%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8482, 86.4454, 106.9268 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 82.8482, 86.4454, 106.9268 by changing the saturation by 10% instead.



82.8482, 86.4454,  
106.9268

82.8482, 86.4454,  
106.9268

493.0721,  
516.3987, 603.6150

62.3814, 65.0363,  
81.4488

136.2925,  
142.3909, 172.7787

45.5977, 47.4906,  
60.3782

170.0007,  
177.6961, 213.9897

32.1318, 33.4236,  
43.2962

208.8534,  
218.4021, 261.2822

21.6182, 22.4512,  
29.7845

253.2159,  
264.8934, 315.0746

13.6917, 14.1888,  
19.4244

303.4537,  
317.5543, 375.7856

7.9868, 8.2521,  
11.7974

359.9321,

4.1382, 4.2567,

376.7692, 443.8336

6.4850

423.0164,  
442.9226, 519.6372

■ 1.7806, 1.8182,  
3.0687

■ 0.5060, 0.4985,  
1.1298

■ 82.8482, 86.4454,  
106.9268

■ 82.8482, 86.4454,  
106.9268

■ 69.6873, 71.6697,  
104.7685

95.0500, 100.0000,  
108.9000

■ 58.2697, 58.6690,  
102.8608

■ 48.5225, 47.3781,  
101.1952

■ 40.3650, 37.7236,  
99.7617

■ 33.7096, 29.6269,  
98.5496

■ 28.4598, 23.0020,  
97.5476

■ 24.5071, 17.7543,  
96.7430

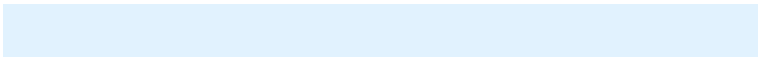
■ 21.7258, 13.7768,  
96.1218

■ 19.9504, 10.9372,  
95.6673

# Harmonies

## Analogous

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



80.6238, 86.4454, 106.2039



82.8482, 86.4454, 106.9268



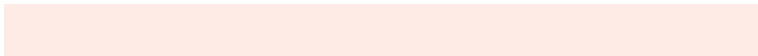
84.9261, 86.4454, 104.0994

# Triad

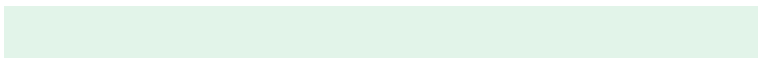
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8482, 86.4454, 106.9268



85.5767, 86.4454, 86.5151



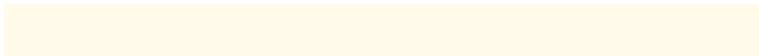
78.1806, 86.4454, 89.7555

# Complementary

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



82.8482, 86.4454, 106.9268



90.2762, 95.5699, 91.5323

# Split Complementary

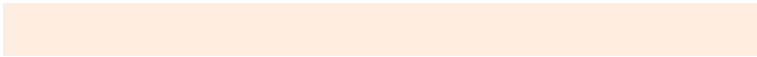
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4620, 86.4454, 84.8078



82.8482, 86.4454, 106.9268



83.7232, 86.4454, 82.9973

# Square

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



82.8482, 86.4454, 106.9268



86.5202, 86.4454, 92.1831



81.4831, 86.4454, 82.3869



77.9561, 86.4454, 96.0927



# Rectangle

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



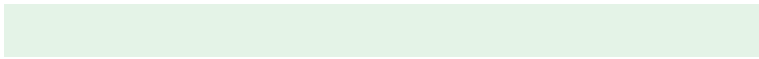
82.8482, 86.4454, 106.9268



85.9388, 86.4454, 100.6544



81.4831, 86.4454, 82.3869



78.5009, 86.4454, 87.8830

# Sweetspot

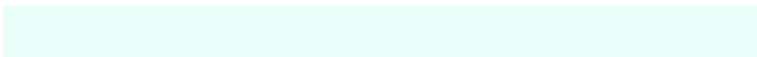
The Sweet Spot groups the original color and five complimentary colors.



82.8505, 86.4489, 106.9274



91.9717, 96.5919, 108.4044



86.9086, 95.8993, 104.1674



19.7180, 20.7104, 23.2082



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.



82.8505, 86.4489, 106.9274



80.3964, 83.7074, 106.5275



83.1551, 84.4614, 106.5277



17.3543, 18.0803, 22.8251



10.3918, 5.6931, 49.9858



1.0918, 0.7144, 4.8936



# Inverse Universe

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



86.2442, 86.3392, 93.7851



84.4766, 83.6072, 90.7197



89.9466, 97.7386, 91.9683



18.1867, 18.0580, 19.6006



22.0335, 11.3027, 3.5609

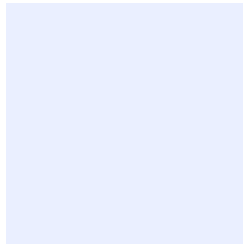


2.1857, 1.1167, 0.5594



# Previews

## White Background



This preview shows how the XYZ color 82.8482, 86.4454, 106.9268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

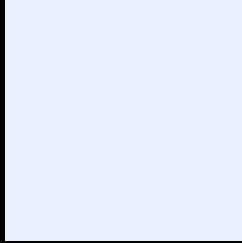
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.8482, 86.4454, 106.9268 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

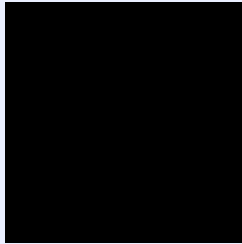
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

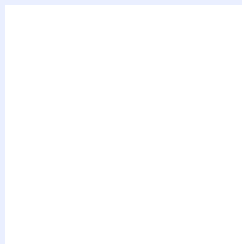
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.8482, 86.4454, 106.9268**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.8482, 86.4454, 106.9268.



This preview shows how white text looks on a background with the XYZ color 82.8482, 86.4454,

106.9268.

# 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

82.8482, 86.4454, 106.9268

### Protanopia

84.0605, 86.6556, 106.0617

### Deuteranopia

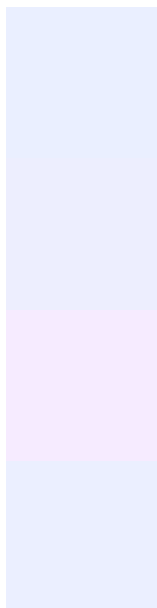
87.6969, 86.3805, 106.6587



## Tritanopia

83.1775, 86.6152, 106.9422

# Trichromacy



## Original Color

82.8482, 86.4454, 106.9268

## Protanomaly

83.3890, 86.3094, 106.0302

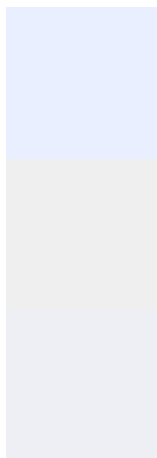
## Deuteranomaly

85.7644, 86.2295, 106.7314

## Tritanomaly

83.1775, 86.6152, 106.9422

# Monochromacy



## Original Color

82.8482, 86.4454, 106.9268

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.2730, 86.3301, 98.7133

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.8482, 86.4454, 106.9268 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(234, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 239, 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(234, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 239, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 82.8482, 86.4454, 106.9268 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(234, 239, 255) }
```



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

```
.border{ border-color:rgb(234, 239, 255) }
```

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

Here you see how a box with a 4 pixel rgb(234, 239, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 239,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.8482, 86.4454, 106.9268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 239, 255) }
```

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

```
.background{ background-color: rgb(234,  
239, 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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