

# Converting Colors

XYZ(86.8888, 95.8917,  
104.0469)

Have a look what the booklet for  
XYZ(86.8888, 95.8917, 104.0469)  
contains.

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# **Color**

**XYZ(86.9470, 95.9146,  
104.3732)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAFFFA
RGB	234, 255, 250
RGB Percent	92%, 100%, 98%
CMY	0.0823, 0.0000, 0.0196
CMYK	0.08, 0.00, 0.02, 0.00
HSL	166°, 100%, 96%
HSV	166°, 8%, 100%
XYZ	86.9470, 95.9146, 104.3732
YIQ	248.1510, -10.9110, -6.0070

# Conversions

## Conversions Part 2

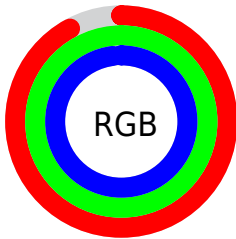
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	234, 246, 255
Decimal	15400954
CIE Lab	98.40, -7.72, 0.04
CIE LCh	98, 7.723, 179.713
Yxy	95.9146, 0.3027, 0.3339
Android (android.graphics.Color)	4293591034 (0xFFEAF <sub>FF</sub> A)
YUV	248.1510, 0.9116, -12.4104
Hunter-Lab	97.9360, -12.9168, 5.3681

# Details

The XYZ color **86.9470, 95.9146, 104.3732** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.2433, 86.3387, 93.7810**, and the grayscale version is **89.3453, 93.9982, 102.3641**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2918, 53.7482, 58.8681** is the 20% darker color. If you saturate the color by 10%, you get **78.2325, 91.5303, 99.0775**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

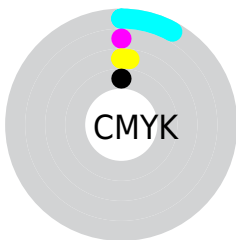
# Distribution



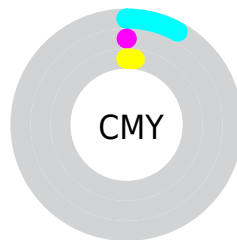
- Red (92%)
- Green (100%)
- Blue (98%)



- Red (92%)
- Yellow (96%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.9470, 95.9146, 104.3732 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 86.9470, 95.9146, 104.3732 by changing the saturation by 10% instead.




 86.9470, 95.9146,  
104.3732

 86.9470, 95.9146,  
104.3732


506.4359,  
547.0888, 595.4904

 65.7792, 72.8964,  
79.3206


141.9903,  
155.5276, 169.2582

 48.3603, 53.8913,  
58.6366


176.5966,  
192.8911, 209.9277

 34.3247, 38.5148,  
41.9025


216.4130,  
235.8053, 256.6399

 23.3072, 26.3824,  
28.7000

261.8050,  
284.6545, 309.8133

 14.9425, 17.1100,  
18.6104

313.1380,  
339.8230, 369.8665

 8.8651, 10.3129,  
11.2151

370.7772,

 4.7097, 5.6069,

401.6953, 437.2181

6.0957

435.0880,  
470.6558, 512.2866

■ 2.1109, 2.6076,  
2.8336

■ 0.6952, 0.9305,  
1.0103

■ 86.9470, 95.9146,  
104.3732

■ 86.9470, 95.9146,  
104.3732

■ 78.2325, 91.5303,  
99.0775

95.0500, 100.0000,  
108.9000

■ 70.7012, 87.7524,  
93.9942

■ 64.2987, 84.5531,  
89.1207

■ 58.9654, 81.9014,  
84.4526

■ 54.6359, 79.7639,  
79.9854

■ 51.2378, 78.1031,  
75.7141

■ 48.6885, 76.8766,  
71.6332

■ 46.8903, 76.0340,  
67.7365

■ 45.7089, 75.5061,  
64.0162

# Harmonies

## Analogous

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



87.5147, 95.9146, 98.3687



86.9470, 95.9146, 104.3732



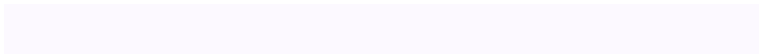
87.4938, 95.9146, 110.6343

# Triad

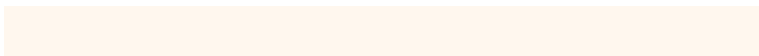
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9470, 95.9146, 104.3732



93.3037, 95.9146, 115.4565



93.3415, 95.9146, 94.1951

# Complementary

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



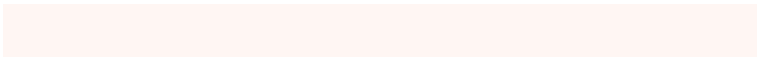
86.9470, 95.9146, 104.3732



86.2433, 86.3387, 93.7810

# 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.



94.9353, 95.9146, 98.4711



86.9470, 95.9146, 104.3732



94.9133, 95.9146, 110.7450

# Square

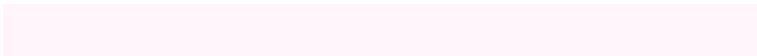
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



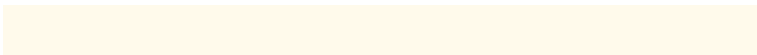
86.9470, 95.9146, 104.3732



91.1425, 95.9146, 117.1895



95.5151, 95.9146, 104.4962



91.1854, 95.9146, 92.6406

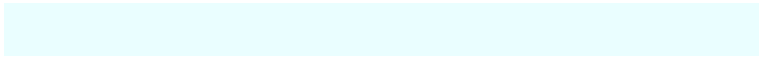


# Rectangle

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



86.9470, 95.9146, 104.3732



88.4220, 95.9146, 114.0755



95.5151, 95.9146, 104.4962



93.9621, 95.9146, 95.3530

# Sweetspot

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



86.9479, 95.9150, 104.3747



93.0036, 98.9676, 107.7872



86.2931, 95.8551, 91.7971



19.9281, 21.1940, 23.0827



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

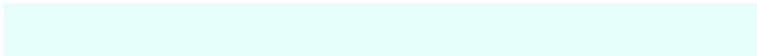


# Same Dimension

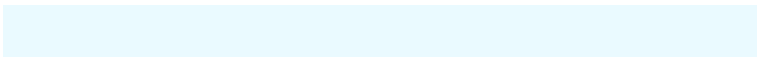
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9479, 95.9150, 104.3747



85.3209, 95.0956, 103.4238



86.0904, 92.9290, 108.0074



18.3591, 20.4032, 22.1939



23.8524, 39.4375, 33.4376



2.3648, 3.8568, 3.4788

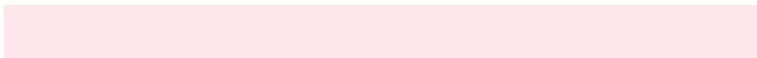


# Inverse Universe

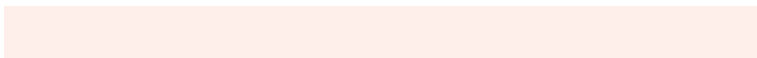
The Inverse Universe completely reimagines the original color for something new.



86.2433, 86.3387, 93.7810



84.4757, 83.6069, 90.7150



87.0317, 89.0809, 90.4506



18.1866, 18.0579, 19.5996



22.0326, 11.3023, 3.5562



2.1856, 1.1166, 0.5588



# Previews

## White Background



This preview shows how the XYZ color 86.9470, 95.9146, 104.3732 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

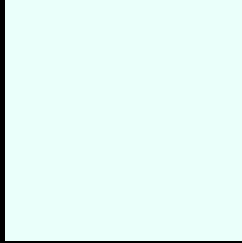
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.9470, 95.9146, 104.3732 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

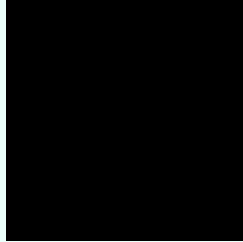
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 86.9470, 95.9146, 104.3732

## Background



This preview shows how black text looks on a background with the XYZ color 86.9470, 95.9146, 104.3732.



This preview shows how white text looks on a background with the XYZ color 86.9470, 95.9146,

104.3732.

# 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

86.9470, 95.9146, 104.3732



### Protanopia

91.9042, 95.7268, 101.6289

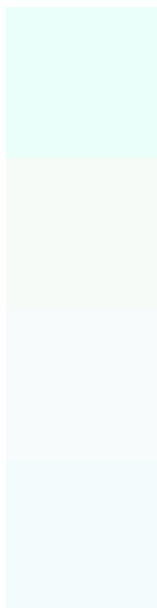
### Deuteranopia

92.5283, 95.9764, 104.9153

## Tritanopia

90.9470, 95.5477, 108.2569

# Trichromacy



## Original Color

86.9470, 95.9146, 104.3732

## Protanomaly

89.7982, 95.5458, 102.5163

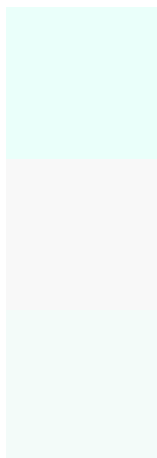
## Deuteranomaly

90.2675, 95.7336, 104.9876

## Tritanomaly

89.5022, 95.7673, 106.6962

# Monochromacy



## Original Color

86.9470, 95.9146, 104.3732

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

88.5582, 94.8886, 103.2703

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.9470, 95.9146, 104.3732 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, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 250)  
}
```

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, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 86.9470, 95.9146, 104.3732 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, 255, 250) }
```



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

```
.border{ border-color:rgb(234, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.9470, 95.9146, 104.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 250) }
```

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

```
.background{ background-color: rgb(234,  
255, 250) }
```

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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