

# Converting Colors

XYZ(86.4209, 95.8246, 96.1566)

Have a look what the booklet for  
XYZ(86.4209, 95.8246, 96.1566)  
contains.

<b>XYZ(86.4132, 95.8158, 96.3779)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(86.4132, 95.8158,  
96.3779)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFFF0
RGB	237, 255, 240
RGB Percent	93%, 100%, 94%
CMY	0.0706, 0.0000, 0.0588
CMYK	0.07, 0.00, 0.06, 0.00
HSL	130°, 100%, 96%
HSV	130°, 7%, 100%
XYZ	86.4132, 95.8158, 96.3779
YIQ	247.9080, -5.9130, -8.4810

# Conversions

## Conversions Part 2

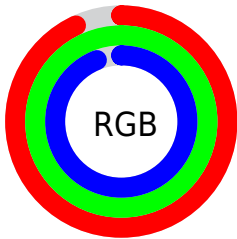
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 252, 255
Decimal	15597552
CIE <sub>Lab</sub>	98.36, -8.55, 5.14
CIE <sub>LCh</sub>	98, 9.976, 148.982
Yxy	95.8158, 0.3102, 0.3439
Android (android.graphics.Color)	4293787632 (0xFFEDFFF0)
YUV	247.9080, -3.8986, -9.5663
Hunter-Lab	97.8855, -13.7202, 10.1431

# Details

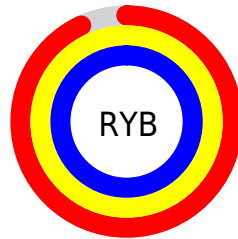
The XYZ color **86.4132, 95.8158, 96.3779** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.0953, 88.8575, 104.5506**, and the grayscale version is **89.1818, 93.8262, 102.1767**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.9019, 53.6726, 53.1826** is the 20% darker color. If you saturate the color by 10%, you get **75.5215, 90.5445, 80.3437**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

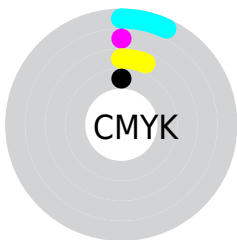
# Distribution



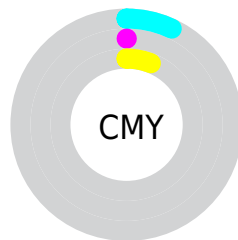
- Red (93%)
- Green (100%)
- Blue (94%)



- Red (93%)
- Yellow (99%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.4132, 95.8158, 96.3779 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 86.4132, 95.8158, 96.3779 by changing the saturation by 10% instead.




 86.4132, 95.8158,  
96.3779

 86.4132, 95.8158,  
96.3779

504.7062,  
546.7734, 569.6635

 65.3361, 72.8142,  
72.6791

141.2498,  
155.3912, 158.1788

 47.9994, 53.8240,  
53.2234

175.7401,  
192.7337, 197.1180

 34.0377, 38.4610,  
37.5922

215.4321,  
235.6253, 241.9743

 23.0856, 26.3407,  
25.3670

260.6913,  
284.4504, 293.1665

 14.7777, 17.0787,  
16.1292

311.8829,  
339.5933, 351.1129

 8.7488, 10.2906,  
9.4603

369.3724,

 4.6335, 5.5921,

401.4386, 416.2322

4.9417

433.5250,  
470.3704, 488.9429

■ 2.0664, 2.5986,  
2.1550

■ 0.6709, 0.9260,  
0.6482

■ 86.4132, 95.8158,  
96.3779

■ 86.4132, 95.8158,  
96.3779

■ 75.5215, 90.5445,  
80.3437

95.0500, 100.0000,  
108.9000

■ 66.1459, 86.0136,  
66.2424

■ 58.2193, 82.1900,  
54.0021

■ 51.6687, 79.0378,  
43.5452

■ 46.4146, 76.5175,  
34.7882

■ 42.3692, 74.5861,  
27.6411

■ 39.4337, 73.1944,  
22.0055

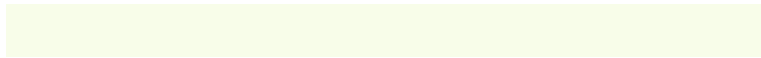
■ 37.4930, 72.2857,  
17.7722

■ 36.4032, 71.7881,  
14.8170

# Harmonies

## Analogous

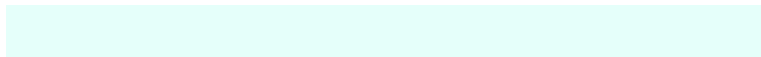
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4172, 95.8158, 91.0789



86.4132, 95.8158, 96.3779



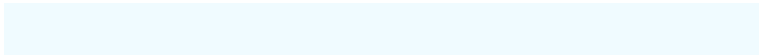
85.6528, 95.8158, 104.0459

# Triad

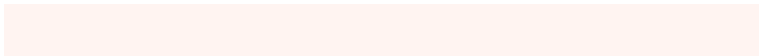
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4132, 95.8158, 96.3779



90.9718, 95.8158, 120.9743



95.9930, 95.8158, 96.8410

# Complementary

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



86.4132, 95.8158, 96.3779



89.0953, 88.8575, 104.5506

# Split Complementary

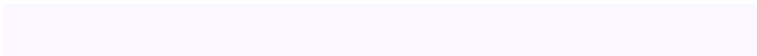
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.7110, 95.8158, 104.6088



86.4132, 95.8158, 96.3779



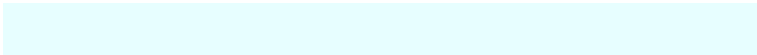
93.7755, 95.8158, 118.8016

# Square

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



86.4132, 95.8158, 96.3779



88.2504, 95.8158, 118.4949



95.8913, 95.8158, 112.7018



93.9491, 95.8158, 91.3362

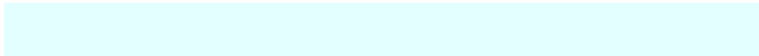


# Rectangle

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



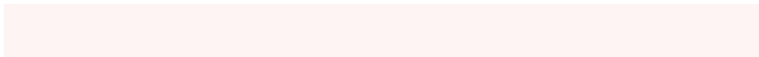
86.4132, 95.8158, 96.3779



85.9409, 95.8158, 109.5630



95.8913, 95.8158, 112.7018



96.3993, 95.8158, 99.2608

# Sweetspot

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



86.4140, 95.8162, 96.3794



92.5217, 98.7748, 105.2495



91.1913, 98.3300, 94.2952



19.8299, 21.1547, 22.5660



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

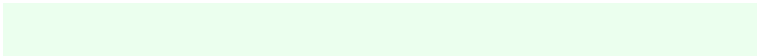


# Same Dimension

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



86.4140, 95.8162, 96.3794



85.3217, 95.2872, 94.7848



87.7845, 96.3644, 103.5964



17.8951, 20.2176, 19.7504



18.9445, 37.4744, 7.5929



1.8776, 3.6620, 0.9133



# Inverse Universe

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



89.0953, 88.8575, 104.5506



88.3412, 87.4508, 103.9865



87.7024, 88.3004, 97.2161



18.6550, 18.2453, 22.0662



27.8389, 13.6248, 34.1315



2.7436, 1.3398, 3.4970



# Previews

## White Background



This preview shows how the XYZ color 86.4132, 95.8158, 96.3779 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

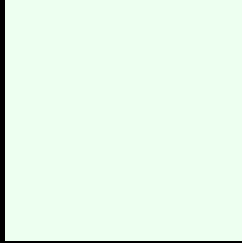
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.4132, 95.8158, 96.3779 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

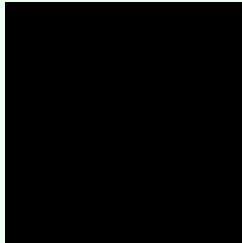
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

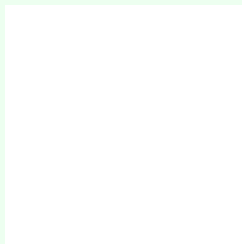
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 86.4132, 95.8158, 96.3779**

## **Background**



This preview shows how black text looks on a background with the XYZ color 86.4132, 95.8158, 96.3779.



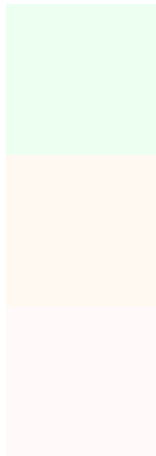
This preview shows how white text looks on a background with the XYZ color 86.4132, 95.8158,

96.379.

# 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

86.4132, 95.8158, 96.3779

### Protanopia

90.9929, 95.3622, 96.8300

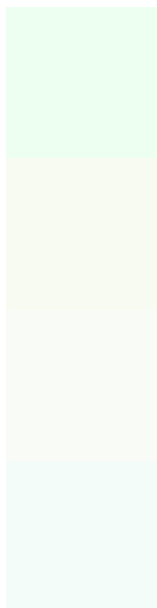
### Deuteranopia

92.2146, 95.8509, 103.2634

## **Tritanopia**

90.9470, 95.5477, 108.2569

# Trichromacy



## Original Color

86.4132, 95.8158, 96.3779

## Protanomaly

89.0858, 95.3017, 96.9188

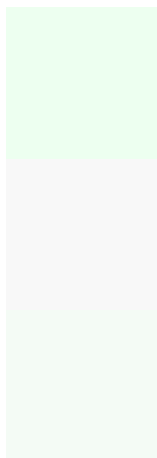
## Deuteranomaly

89.8431, 95.6046, 100.9071

## Tritanomaly

89.3739, 95.7560, 104.2147

# Monochromacy



## Original Color

86.4132, 95.8158, 96.3779

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

88.2868, 94.8200, 100.0351

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.4132, 95.8158, 96.3779 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(237, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 240)  
}
```

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(237, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 86.4132, 95.8158, 96.3779 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(237, 255, 240) }
```



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

```
.border{ border-color:rgb(237, 255, 240) }
```

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

Here you see how a box with a 4 pixel rgb(237, 255, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.4132, 95.8158, 96.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 240) }
```

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

```
.background{ background-color: rgb(237,  
255, 240) }
```

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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