

# Converting Colors

XYZ(93.2442, 107.0751,  
102.0764)

Have a look what the booklet for  
XYZ(93.2442, 107.0751, 102.0764)  
contains.

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# **Color**

**XYZ(87.8380, 96.4633,  
100.3759)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFFF5
RGB	239, 255, 245
RGB Percent	94%, 100%, 96%
CMY	0.0627, 0.0000, 0.0392
CMYK	0.06, 0.00, 0.04, 0.00
HSL	143°, 100%, 97%
HSV	143°, 6%, 100%
XYZ	87.8380, 96.4633, 100.3759
YIQ	249.0760, -6.3260, -6.5020

# Conversions

## Conversions Part 2

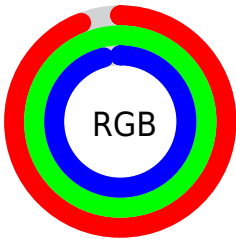
Format	Color
R <sub>Y</sub> B	239, 251, 255
Decimal	15728629
CIE Lab	98.62, -7.01, 2.96
CIE LCh	99, 7.611, 157.076
Yxy	96.4633, 0.3086, 0.3389
Android (android.graphics.Color)	4293918709 (0xFFEFFFF5)
YUV	249.0760, -2.0095, -8.8367
Hunter-Lab	98.2157, -12.2383, 8.1570

# Details

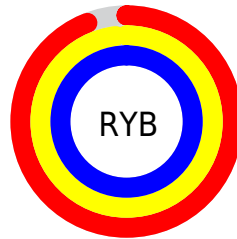
The XYZ color **87.8380, 96.4633, 100.3759** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.2058, 89.8335, 102.2603**, and the grayscale version is **90.1242, 94.8177, 103.2565**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9078, 54.1296, 56.0144** is the 20% darker color. If you saturate the color by 10%, you get **77.4983, 91.4021, 87.7345**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

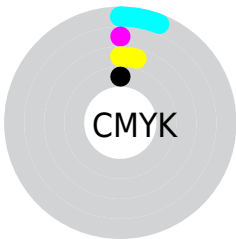
# Distribution



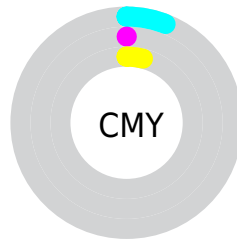
- Red (94%)
- Green (100%)
- Blue (96%)



- Red (94%)
- Yellow (98%)
- Blue (100%)



- Cyan (6%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.8380, 96.4633, 100.3759 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 87.8380, 96.4633, 100.3759 by changing the saturation by 10% instead.



 87.8380, 96.4633,  
100.3759

 87.8380, 96.4633,  
100.3759


509.3159,  
548.8390, 582.6541

 66.5193, 73.3535,  
75.9959


143.2253,  
156.2847, 163.7300

 48.9633, 54.2650,  
55.9225

178.0245,  
193.7650, 203.5412

 34.8048, 38.8136,  
39.7372


218.0480,  
236.8043, 249.3332

 23.6783, 26.6148,  
27.0215


263.6610,  
285.7870, 301.5246

 15.2186, 17.2841,  
17.3568

315.2290,  
341.0974, 360.5338

 9.0603, 10.4373,  
10.3245

373.1172,

 4.8380, 5.6898,

403.1199, 426.7794

5.5063

437.6911,  
472.2390, 500.6800

■ 2.1863, 2.6574,  
2.4834

■ 0.7355, 0.9556,  
0.8313

■ 87.8380, 96.4633,  
100.3759

■ 87.8380, 96.4633,  
100.3759

■ 77.4983, 91.4021,  
87.7345

95.0500, 100.0000,  
108.9000

■ 68.5261, 87.0222,  
76.2222

■ 60.8626, 83.2941,  
65.8090

■ 54.4437, 80.1853,  
56.4623

■ 49.1996, 77.6604,  
48.1475

■ 45.0535, 75.6807,  
40.8283

■ 41.9186, 74.2022,  
34.4662

■ 39.6943, 73.1738,  
29.0198

■ 38.2562, 72.5322,  
24.4442

# Harmonies

## Analogous

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



89.1546, 96.4633, 95.6447



87.8380, 96.4633, 100.3759



87.5445, 96.4633, 106.5341

# Triad

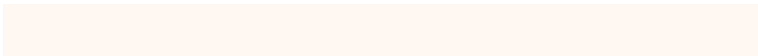
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8380, 96.4633, 100.3759



92.2084, 96.4633, 117.5410



95.1078, 96.4633, 97.8848

# Complementary

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



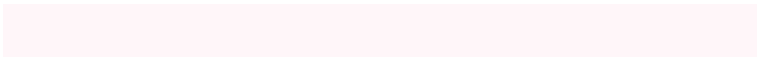
87.8380, 96.4633, 100.3759



89.2058, 89.8335, 102.2603

# 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.



95.9550, 96.4633, 103.5444



87.8380, 96.4633, 100.3759



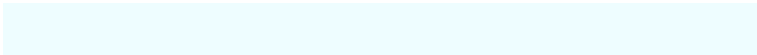
94.2638, 96.4633, 115.0145

# Square

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



87.8380, 96.4633, 100.3759



90.0449, 96.4633, 116.6100



95.6437, 96.4633, 109.8302



93.3459, 96.4633, 94.2472



# Rectangle

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



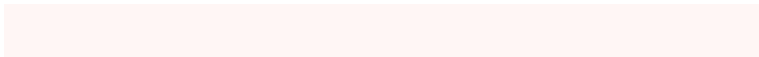
87.8380, 96.4633, 100.3759



87.9641, 96.4633, 110.6531



95.6437, 96.4633, 109.8302



95.5103, 96.4633, 99.6049

# Sweetspot

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



87.8388, 96.4637, 100.3774



92.6895, 98.8419, 106.1331



90.4549, 97.9164, 95.7949



19.8641, 21.1684, 22.7460



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.



87.8388, 96.4637, 100.3774



85.9538, 95.5401, 98.1130



89.0656, 96.9544, 106.8372



18.0533, 20.2809, 20.5838



19.8462, 37.8351, 12.3415



1.9833, 3.7042, 1.4697



# Inverse Universe

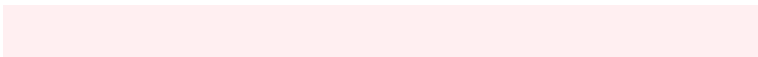
The Inverse Universe completely reimagines the original color for something new.



89.2058, 89.8335, 102.2603



87.6764, 87.1848, 100.4856



88.0043, 89.3529, 95.9331



18.4868, 18.1781, 21.1809



24.9100, 12.4533, 18.7082

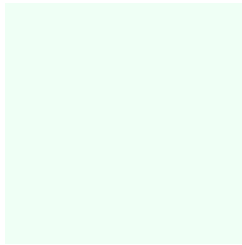


2.4784, 1.2337, 2.1008



# Previews

## White Background



This preview shows how the XYZ color 87.8380, 96.4633, 100.3759 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

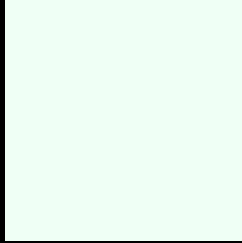
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.8380, 96.4633, 100.3759 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

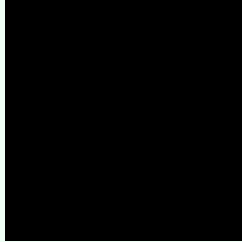
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

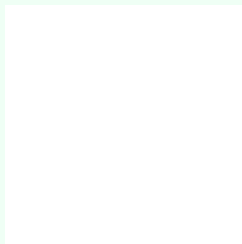
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 87.8380, 96.4633, 100.3759**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.8380, 96.4633, 100.3759.



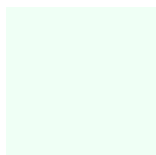
This preview shows how white text looks on a background with the XYZ color 87.8380, 96.4633,

100.3759.

# Color Blindness Simulation

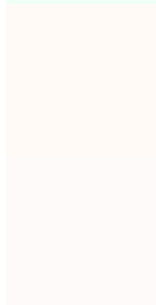
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

87.8380, 96.4633, 100.3759



### Protanopia

91.9070, 96.2238, 100.1152

### Deuteranopia

92.6809, 96.5333, 104.1905

## **Tritanopia**

91.6141, 96.3541, 108.3774

# Trichromacy



**Original Color**

87.8380, 96.4633, 100.3759

**Protanomaly**

90.3588, 96.3531, 100.2218

**Deuteranomaly**

90.8206, 96.5379, 102.6538

**Tritanomaly**

89.8792, 95.9983, 105.0592

# Monochromacy



**Original Color**

87.8380, 96.4633, 100.3759

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

89.0966, 95.1841, 102.4834

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.8380, 96.4633, 100.3759 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(239, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 245)  
}
```

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(239, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 87.8380, 96.4633, 100.3759 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(239, 255, 245) }
```



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

```
.border{ border-color:rgb(239, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.8380, 96.4633, 100.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 245) }
```

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

```
.background{ background-color: rgb(239,  
255, 245) }
```

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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