

# Converting Colors

XYZ(87.4586, 96.2928, 99.2217)

Have a look what the booklet for  
XYZ(87.4586, 96.2928, 99.2217)  
contains.

<b>XYZ(87.6857, 96.4024, 99.5739)</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(87.6857, 96.4024,  
99.5739)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">EFFFF4</a>
RGB	<a href="#">239, 255, 244</a>
RGB Percent	<a href="#">94%, 100%, 96%</a>
CMY	<a href="#">0.0627, 0.0000, 0.0431</a>
CMYK	<a href="#">0.06, 0.00, 0.04, 0.00</a>
HSL	<a href="#">139°, 100%, 97%</a>
HSV	<a href="#">139°, 6%, 100%</a>
XYZ	<a href="#">87.6857, 96.4024, 99.5739</a>
YIQ	<a href="#">248.9620, -6.0050, -6.8130</a>

# Conversions

## Conversions Part 2

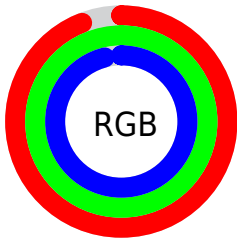
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 251, 255
Decimal	15728628
CIE <sub>Lab</sub>	98.59, -7.19, 3.44
CIE <sub>LCh</sub>	99, 7.969, 154.406
Yxy	96.4024, 0.3091, 0.3398
Android (android.graphics.Color)	4293918708 (0xFFEFFFF4)
YUV	248.9620, -2.4463, -8.7367
Hunter-Lab	98.1847, -12.4105, 8.6004

# Details

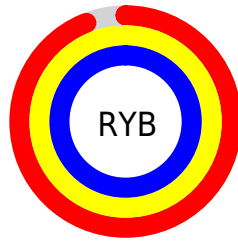
The XYZ color 87.6857, 96.4024, 99.5739 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.3622, 89.8960, 103.0840, and the grayscale version is 90.0338, 94.7226, 103.1529.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 48.7996, 54.0863, 55.4446 is the 20% darker color. If you saturate the color by 10%, you get 77.1386, 91.2582, 85.8403, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

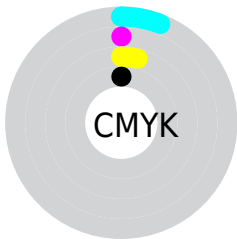
# Distribution



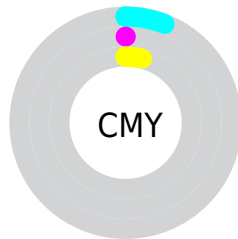
- Red (94%)
- Green (100%)
- Blue (96%)



- 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 87.6857, 96.4024, 99.5739 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 87.6857, 96.4024, 99.5739 by changing the saturation by 10% instead.




 87.6857, 96.4024,  
99.5739

 87.6857, 96.4024,  
99.5739


508.8242,  
548.6449, 580.0607

 66.3927, 73.3027,  
75.3298

143.0143,  
156.2007, 162.6183

 48.8602, 54.2235,  
55.3798


177.7806,  
193.6680, 202.2556

 34.7226, 38.7804,  
39.3052


217.7687,  
236.6935, 247.8612

 23.6148, 26.5889,  
26.6876

263.3440,  
285.6613, 299.8535

 15.1713, 17.2648,  
17.1084

314.8719,  
340.9560, 358.6510

 9.0268, 10.4234,  
10.1490

372.7176,

 4.8159, 5.6806,

402.9619, 424.6724

5.3910

437.2466,  
472.0634, 498.3361

■ 2.1733, 2.6519,  
2.4157

■ 0.7286, 0.9528,  
0.7950

■ 87.6857, 96.4024,  
99.5739

■ 87.6857, 96.4024,  
99.5739

■ 77.1386, 91.2582,  
85.8403

95.0500, 100.0000,  
108.9000

■ 68.0008, 86.8121,  
73.4561

■ 60.2117, 83.0337,  
62.3816

■ 53.7052, 79.8899,  
52.5736

■ 48.4094, 77.3444,  
43.9862

■ 44.2450, 75.3574,  
36.5712

■ 41.1230, 73.8840,  
30.2766

■ 38.9398, 72.8720,  
25.0466

■ 37.5680, 72.2569,  
20.8200

# Harmonies

## Analogous

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



89.1444, 96.4024, 94.8313



87.6857, 96.4024, 99.5739



87.2765, 96.4024, 105.9446

# Triad

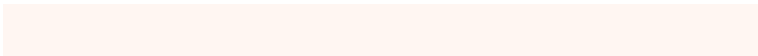
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6857, 96.4024, 99.5739



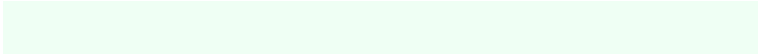
91.9687, 96.4024, 118.1459



95.3356, 96.4024, 97.9512

# Complementary

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



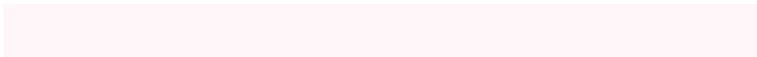
87.6857, 96.4024, 99.5739



89.3622, 89.8960, 103.0840

# 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.



96.1210, 96.4024, 103.9931



87.6857, 96.4024, 99.5739



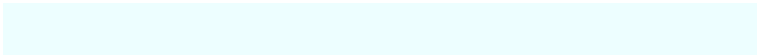
94.1565, 96.4024, 115.7979

# Square

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



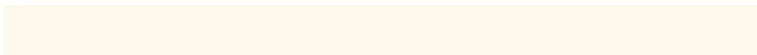
87.6857, 96.4024, 99.5739



89.7250, 96.4024, 116.8427



95.6859, 96.4024, 110.5490



93.5569, 96.4024, 93.9223

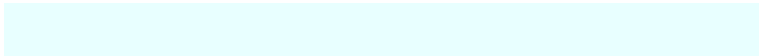


# Rectangle

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



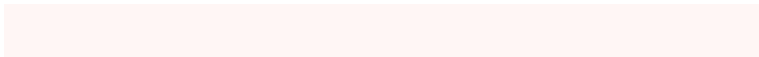
87.6857, 96.4024, 99.5739



87.6479, 96.4024, 110.3020



95.6859, 96.4024, 110.5490



95.7259, 96.4024, 99.8046

# Sweetspot

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



87.6865, 96.4027, 99.5754



92.6391, 98.8218, 105.8675



90.8364, 98.1131, 95.8127



19.8538, 21.1643, 22.6919



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

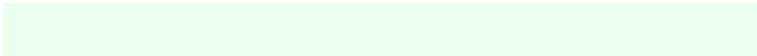


# Same Dimension

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



87.6865, 96.4027, 99.5754



85.7626, 95.4636, 97.1064



88.8962, 96.8866, 105.9453



18.0054, 20.2617, 20.3313



19.4950, 37.6946, 10.4921



1.9449, 3.6889, 1.2678



# Inverse Universe

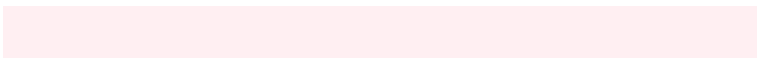
The Inverse Universe completely reimagines the original color for something new.



89.3622, 89.8960, 103.0840



87.8742, 87.2640, 101.5276



88.1642, 89.4168, 96.7754



18.5368, 18.1980, 21.4440



25.6778, 12.7604, 22.7517

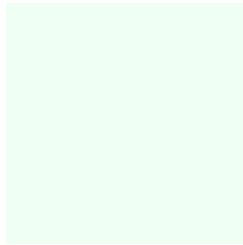


2.5495, 1.2622, 2.4749



# Previews

## White Background



This preview shows how the XYZ color 87.6857, 96.4024, 99.5739 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

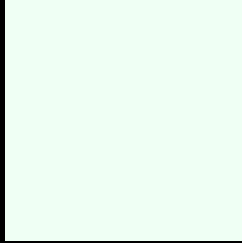
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.6857, 96.4024, 99.5739 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

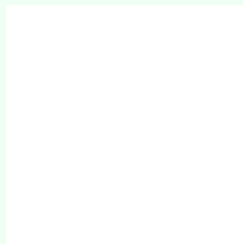
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 87.6857, 96.4024, 99.5739**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.6857, 96.4024, 99.5739.



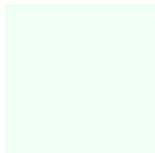
This preview shows how white text looks on a background with the XYZ color 87.6857, 96.4024,



# 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

87.6857, 96.4024, 99.5739



### Protanopia

91.9070, 96.2238, 100.1152

### Deuteranopia

92.3710, 95.9135, 104.0872

## **Tritanopia**

91.6141, 96.3541, 108.3774

# Trichromacy



**Original Color**

87.6857, 96.4024, 99.5739

**Protanomaly**

90.3588, 96.3531, 100.2218

**Deuteranomaly**

90.5074, 95.9114, 102.5494

**Tritanomaly**

89.8792, 95.9983, 105.0592

# Monochromacy



**Original Color**

87.6857, 96.4024, 99.5739

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

88.9419, 95.1222, 101.6684

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.6857, 96.4024, 99.5739 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, 244) looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 87.6857, 96.4024, 99.5739 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, 244) }
```



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

```
.border{ border-color:rgb(239, 255, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.6857, 96.4024, 99.5739 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, 244) }
```

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

```
.background{ background-color: rgb(239,  
255, 244) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor