

Converting Colors

XYZ(87.6006, 96.3561, 99.6788)

Have a look what the booklet for
XYZ(87.6006, 96.3561, 99.6788)
contains.

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Color

**XYZ(87.6857, 96.4024,
99.5739)**

Conversions

Conversions Part 1

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

Conversions

Conversions Part 2

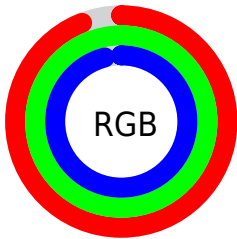
Format	Color
R _Y B	239, 251, 255
Decimal	15728628
CIE Lab	98.59, -7.19, 3.44
CIE LCh	99, 7.969, 154.406
Yxy	96.4024, 0.3091, 0.3398
Android (android.graphics.Color)	4293918708 (0xFFEFFFF4)
YUV	248.9620, -2.4463, -8.7367
Hunter-Lab	98.1847, -12.4105, 8.6004

Details

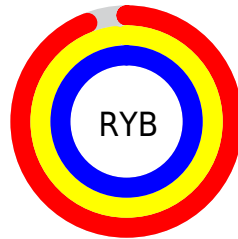
The XYZ color **87.6857, 96.4024, 99.5739** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.3622, 89.8960, 103.0840**, and the grayscale version is **90.0338, 94.7226, 103.1529**.

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**.

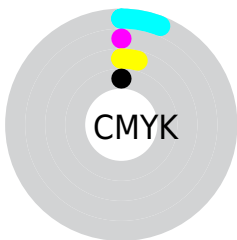
Distribution



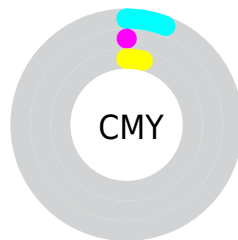
- Red (94%)
- Green (100%)
- Blue (96%)



- 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



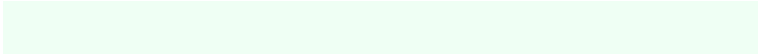
87.6857, 96.4024, 99.5739



87.2765, 96.4024, 105.9446

Triad

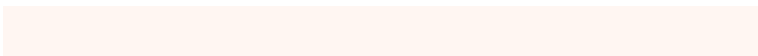
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



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.



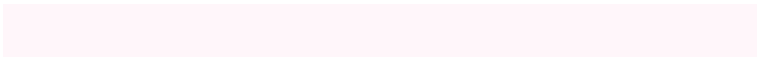
87.6857, 96.4024, 99.5739



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



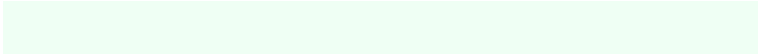
87.6857, 96.4024, 99.5739



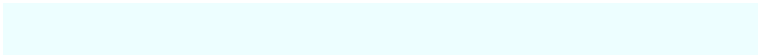
94.1565, 96.4024, 115.7979

Square

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



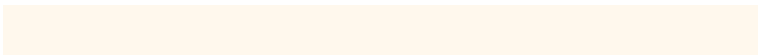
87.6857, 96.4024, 99.5739



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.



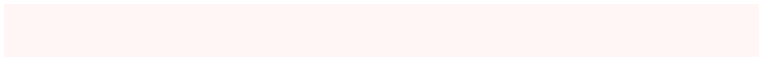
87.6857, 96.4024, 99.5739



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



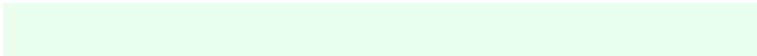
20.3446, 21.4041, 23.3091

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



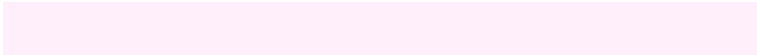
19.4950, 37.6946, 10.4921



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



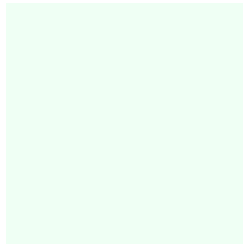
25.6778, 12.7604, 22.7517



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

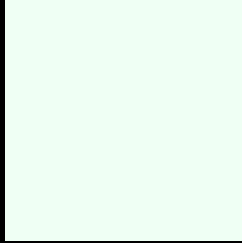
Large Text (above 18pt) WCAG AA × Fail

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

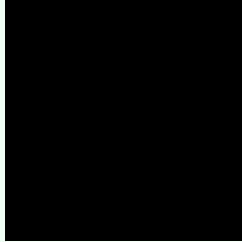
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

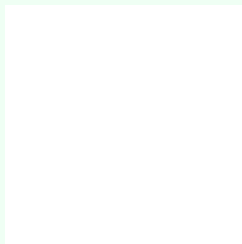
If you want to check with other color combinations, try the [Color Contrast Checker](#).

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.

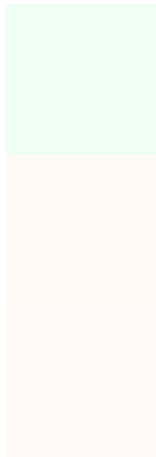


This preview shows how white text looks on a background with the XYZ color 87.6857, 96.4024,

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

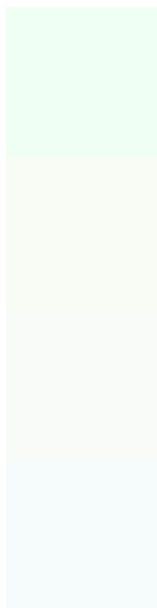
Deuteranopia

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

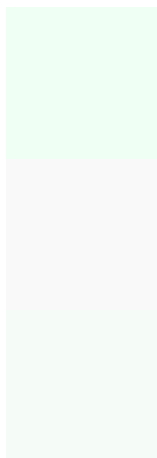
Deuteranomaly

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](#).

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