

Converting Colors

XYZ(87.8406, 96.5741, 95.4289)

Have a look what the booklet for
XYZ(87.8406, 96.5741, 95.4289)
contains.

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Color

**XYZ(87.9579, 96.6292,
95.6768)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F2FFEF |
| RGB | 242, 255, 239 |
| RGB Percent | 95%, 100%, 94% |
| CMY | 0.0510, 0.0000, 0.0627 |
| CMYK | 0.05, 0.00, 0.06, 0.00 |
| HSL | 109°, 100%, 97% |
| HSV | 109°, 6%, 100% |
| XYZ | 87.9579, 96.6292, 95.6768 |
| YIQ | 249.2890, -2.6120, -7.7320 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 239, 255, 252 |
| Decimal | 15925231 |
| CIE _{Lab} | 98.68, -7.07, 6.16 |
| CIE _{LCh} | 99, 9.380, 138.921 |
| Yxy | 96.6292, 0.3138, 0.3448 |
| Android (android.graphics.Color) | 4294115311 (0xFFFF2FFEF) |
| YUV | 249.2890, -5.0725, -6.3925 |
| Hunter-Lab | 98.3002, -12.3054, 11.1024 |

Details

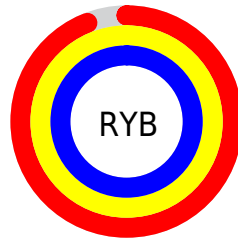
The XYZ color **87.9579, 96.6292, 95.6768** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.0621, 89.6496, 107.2178**, and the grayscale version is **90.3216, 95.0254, 103.4826**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9910, 54.2462, 52.6882** is the 20% darker color. If you saturate the color by 10%, you get **77.7390, 91.7662, 76.9007**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

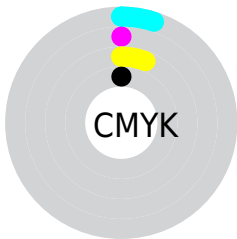
Distribution



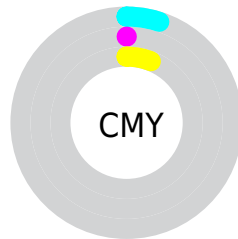
- Red (95%)
- Green (100%)
- Blue (94%)



- Red (94%)
- Yellow (100%)
- Blue (99%)



- Cyan (5%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.9579, 96.6292, 95.6768 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 87.9579, 96.6292, 95.6768 by changing the saturation by 10% instead.

87.9579, 96.6292,
95.6768

87.9579, 96.6292,
95.6768

509.7028,
549.3676, 567.3690

66.6189, 73.4917,
72.0984

143.3914,
156.5135, 157.2029

49.0445, 54.3781,
52.7517

178.2165,
194.0291, 195.9877

34.8695, 38.9040,
37.2183

218.2678,
237.1062, 240.6784

23.7284, 26.6851,
25.0794

263.9105,
286.1291, 291.6935

15.2559, 17.3369,
15.9167

315.5100,
341.4823, 349.4516

9.0867, 10.4750,
9.3115

373.4316,

4.8553, 5.7150,

403.5502, 414.3712

4.8453

438.0408,
472.7172, 486.8708

■ 2.1965, 2.6726,
2.0997

■ 0.7409, 0.9633,
0.6156

■ 87.9579, 96.6292,
95.6768

■ 87.9579, 96.6292,
95.6768

■ 77.7390, 91.7662,
76.9007

95.0500, 100.0000,
108.9000

■ 68.8075, 87.5080,
60.8422

■ 61.1126, 83.8312,
47.3769

■ 54.5985, 80.7100,
36.3686

■ 49.2056, 78.1168,
27.6689

■ 44.8687, 76.0217,
21.1133

■ 41.5154, 74.3913,
16.5157

■ 39.0638, 73.1881,
13.6581

■ 37.4169, 72.3681,
12.2692

Harmonies

Analogous

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



90.1581, 96.6292, 91.6738



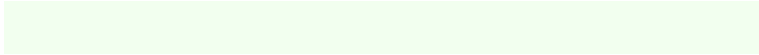
87.9579, 96.6292, 95.6768



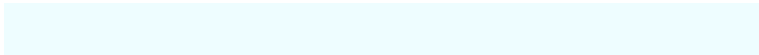
86.8070, 96.6292, 102.3615

Triad

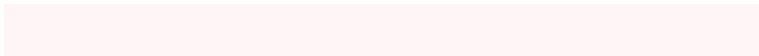
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9579, 96.6292, 95.6768



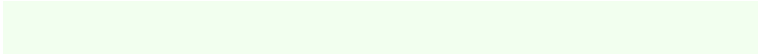
90.8421, 96.6292, 120.6028



96.8785, 96.6292, 100.4313

Complementary

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



87.9579, 96.6292, 95.6768



89.0621, 89.6496, 107.2178

Split Complementary

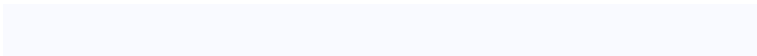
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.0705, 96.6292, 108.1165



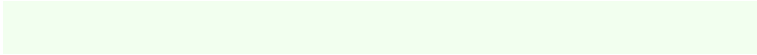
87.9579, 96.6292, 95.6768



93.5491, 96.6292, 120.0231

Square

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



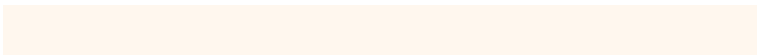
87.9579, 96.6292, 95.6768



88.4501, 96.6292, 116.9090



95.8412, 96.6292, 115.3622



95.3218, 96.6292, 94.3239

Rectangle

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



87.9579, 96.6292, 95.6768



86.7740, 96.6292, 107.5521



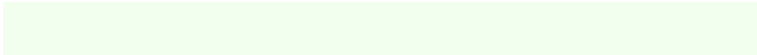
95.8412, 96.6292, 115.3622



97.1059, 96.6292, 102.9076

Sweetspot

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



87.9587, 96.6296, 95.6783



92.7315, 98.8984, 104.5621



91.5680, 96.9876, 95.5572



19.8727, 21.1799, 22.4260



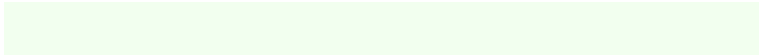
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



87.9587, 96.6296, 95.6783



86.1004, 95.7458, 92.2374



87.6562, 96.3906, 99.4152



18.0893, 20.3319, 19.1154



19.4080, 37.7433, 6.2623



1.9703, 3.7165, 0.6135

Inverse Universe

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



89.0621, 89.6496, 107.2178



87.4907, 86.9496, 106.7794



89.3939, 89.9088, 103.2500



18.4391, 18.1181, 22.7752



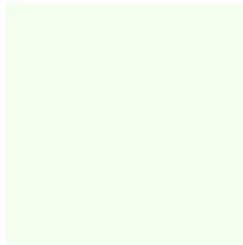
23.0244, 10.7800, 50.3018



2.3241, 1.0920, 4.9016

Previews

White Background



This preview shows how the XYZ color 87.9579, 96.6292, 95.6768 looks on a white background.

Color Contrast Check

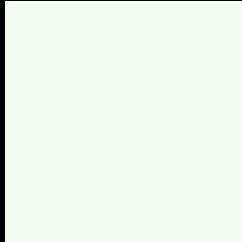
Large Text (above 18pt) WCAG AA × Fail

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 87.9579, 96.6292, 95.6768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

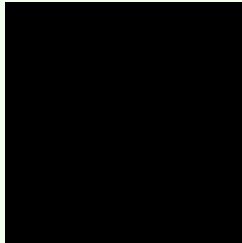
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

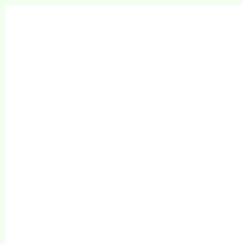
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.9579, 96.6292, 95.6768

Background



This preview shows how black text looks on a background with the XYZ color 87.9579, 96.6292, 95.6768.



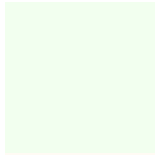
This preview shows how white text looks on a background with the XYZ color 87.9579, 96.6292,

95.6 68.

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

87.9579, 96.6292, 95.6768

Protanopia

92.0663, 96.7860, 99.4171

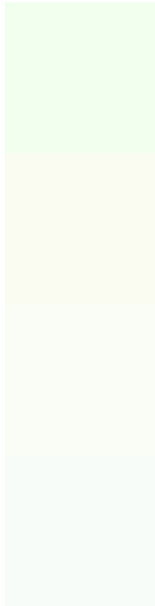
Deuteranopia

92.6809, 96.5333, 104.1905

Tritanopia

91.9715, 96.5384, 108.3941

Trichromacy



Original Color

87.9579, 96.6292, 95.6768

Protanomaly

90.2618, 96.3556, 97.8456

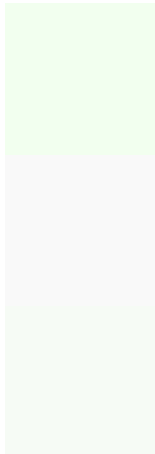
Deuteranomaly

90.8693, 96.5986, 101.0449

Tritanomaly

90.2671, 96.2345, 103.4401

Monochromacy



Original Color

87.9579, 96.6292, 95.6768

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

88.9846, 95.1798, 100.0677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.9579, 96.6292, 95.6768 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(242, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 239)  
}
```

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(242, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 87.9579, 96.6292, 95.6768 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(242, 255, 239) }
```


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

```
.border{ border-color:rgb(242, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 87.9579, 96.6292, 95.6768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 239) }
```

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

```
.background{ background-color: rgb(242,  
255, 239) }
```

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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