

Converting Colors

XYZ(87.1812, 96.2837, 93.1621)

Have a look what the booklet for
XYZ(87.1812, 96.2837, 93.1621)
contains.

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Color

**XYZ(87.1759, 96.2769,
93.3455)**

Conversions

Conversions Part 1

Format	Color
Hex	F1FFEC
RGB	241, 255, 236
RGB Percent	95%, 100%, 93%
CMY	0.0549, 0.0000, 0.0745
CMYK	0.05, 0.00, 0.07, 0.00
HSL	104°, 100%, 96%
HSV	104°, 7%, 100%
XYZ	87.1759, 96.2769, 93.3455
YIQ	248.6480, -2.2450, -8.8770

Conversions

Conversions Part 2

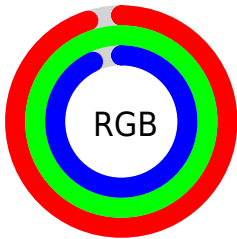
Format	Color
R _Y B	236, 255, 250
Decimal	15859692
CIE Lab	98.54, -7.92, 7.49
CIE LCh	99, 10.901, 136.583
Yxy	96.2769, 0.3149, 0.3478
Android (android.graphics.Color)	4294049772 (0xFFFF1FFEC)
YUV	248.6480, -6.2355, -6.7073
Hunter-Lab	98.1208, -13.1222, 12.2801

Details

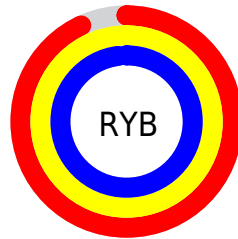
The XYZ color **87.1759, 96.2769, 93.3455** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.4705, 87.5361, 106.8937**, and the grayscale version is **89.8039, 94.4807, 102.8895**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4399, 53.9977, 51.0496** is the 20% darker color. If you saturate the color by 10%, you get **77.6446, 91.7612, 74.9205**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

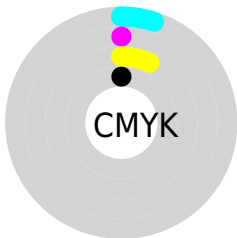
Distribution



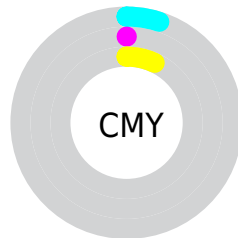
- Red (95%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (98%)



- Cyan (5%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1759, 96.2769, 93.3455 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 87.1759, 96.2769, 93.3455 by changing the saturation by 10% instead.

87.1759, 96.2769,
93.3455

87.1759, 96.2769,
93.3455

507.1766,
548.2448, 559.7031

65.9693, 73.1982,
70.1694

142.3077,
156.0275, 153.9527

48.5151, 54.1380,
51.1870

176.9636,
193.4682, 192.2209

34.4479, 38.7120,
35.9797

216.8333,
236.4650, 236.3570

23.4024, 26.5358,
24.1290

262.2822,
285.4024, 286.7793

15.0133, 17.2249,
15.2162

313.6756,
340.6646, 343.9066

8.9151, 10.3950,
8.8230

371.3789,

4.7425, 5.6616,

402.6362, 408.1573

4.5307

435.7575,
471.7014, 479.9499

■ 2.1302, 2.6404,
1.9207

■ 0.7055, 0.9470,
0.5059

■ 87.1759, 96.2769,
93.3455

■ 87.1759, 96.2769,
93.3455

■ 77.6446, 91.7612,
74.9205

95.0500, 100.0000,
108.9000

■ 69.2609, 87.7787,
59.1925

■ 61.9807, 84.3093,
46.0363

■ 55.7562, 81.3313,
35.3148

■ 50.5358, 78.8214,
26.8783

■ 46.2632, 76.7542,
20.5607

■ 42.8763, 75.1018,
16.1732

■ 40.3041, 73.8324,
13.4935

■ 38.4603, 72.9079,
12.2323

Harmonies

Analogous

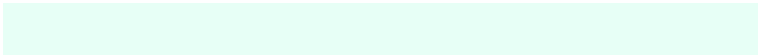
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7893, 96.2769, 89.0572



87.1759, 96.2769, 93.3455



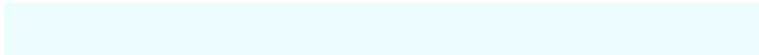
85.7383, 96.2769, 100.8528

Triad

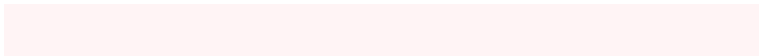
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1759, 96.2769, 93.3455



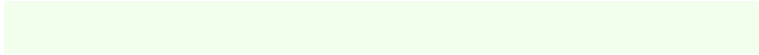
90.1091, 96.2769, 122.6368



97.4411, 96.2769, 99.9525

Complementary

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



87.1759, 96.2769, 93.3455



87.4705, 87.5361, 106.8937

Split Complementary

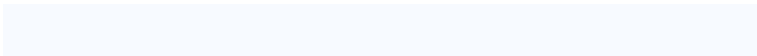
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.5315, 96.2769, 108.9087



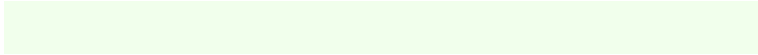
87.1759, 96.2769, 93.3455



93.2491, 96.2769, 122.3614

Square

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



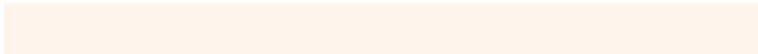
87.1759, 96.2769, 93.3455



87.4054, 96.2769, 117.9503



95.9819, 96.2769, 117.2181



95.7376, 96.2769, 92.7191

Rectangle

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



87.1759, 96.2769, 93.3455



85.6183, 96.2769, 106.8319



95.9819, 96.2769, 117.2181



97.6625, 96.2769, 102.8516

Sweetspot

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



87.1767, 96.2772, 93.3470



92.8706, 98.9701, 104.5686



90.5456, 95.6463, 93.0476



19.9010, 21.1945, 22.4273



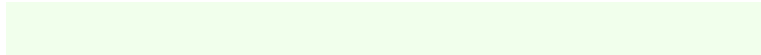
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

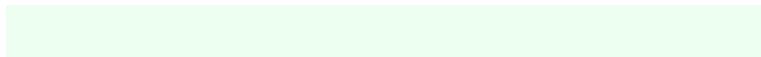
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1767, 96.2772, 93.3470



85.6225, 95.5417, 90.3098



86.1455, 95.6703, 96.7030



18.2198, 20.3992, 19.1215



20.0170, 38.0572, 6.2908



2.0465, 3.7558, 0.6171

Inverse Universe

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



87.4705, 87.5361, 106.8937



85.9736, 85.0939, 106.5012



88.5804, 88.1897, 103.2630



18.2988, 18.0458, 22.7687



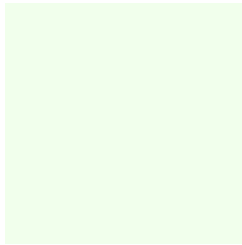
20.4027, 9.4285, 50.1791



2.0894, 0.9710, 4.8906

Previews

White Background



This preview shows how the XYZ color 87.1759, 96.2769, 93.3455 looks on a white background.

Color Contrast Check

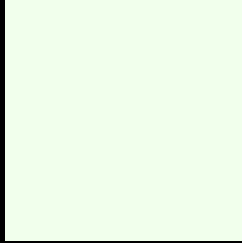
Large Text (above 18pt) WCAG AA × Fail

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 87.1759, 96.2769, 93.3455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

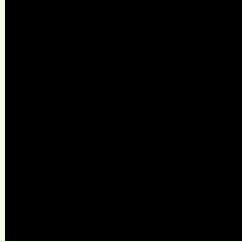
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

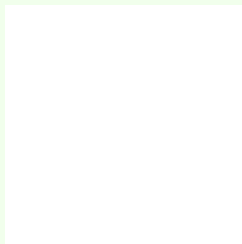
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.1759, 96.2769, 93.3455

Background



This preview shows how black text looks on a background with the XYZ color 87.1759, 96.2769, 93.3455.



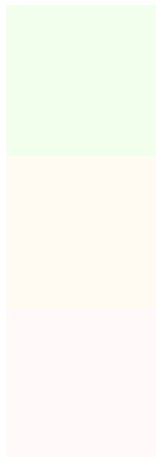
This preview shows how white text looks on a background with the XYZ color 87.1759, 96.2769,

93.3455.

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

87.1759, 96.2769, 93.3455

Protanopia

91.4526, 96.0420, 97.7223

Deuteranopia

92.2146, 95.8509, 103.2634

Tritanopia

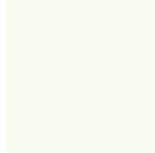
91.9715, 96.5384, 108.3941

Trichromacy



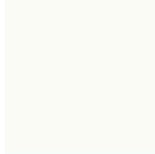
Original Color

87.1759, 96.2769, 93.3455



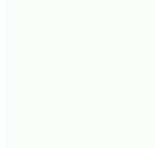
Protanomaly

89.9629, 96.2361, 96.2719



Deuteranomaly

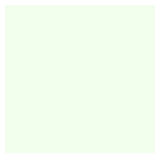
90.2507, 95.8500, 99.3321



Tritanomaly

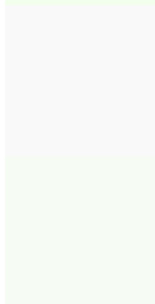
90.1115, 96.1723, 102.6207

Monochromacy



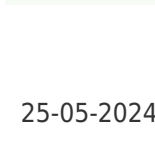
Original Color

87.1759, 96.2769, 93.3455



Achromatopsia

90.0415, 94.7307, 103.1617



Achromatomaly

88.8324, 95.1188, 99.2658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.1759, 96.2769, 93.3455 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(241, 255, 236) looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 236)  
}
```

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(241, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 87.1759, 96.2769, 93.3455 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(241, 255, 236) }
```


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

```
.border{ border-color:rgb(241, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1759, 96.2769, 93.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 236) }
```

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

```
.background{ background-color: rgb(241,  
255, 236) }
```

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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