

Converting Colors

XYZ(89.1670, 100.0000,
86.6675)

Have a look what the booklet for
XYZ(89.1670, 100.0000, 86.6675)
contains.

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Color

**XYZ(87.4935, 96.6038,
85.9865)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FFE2
RGB	246, 255, 226
RGB Percent	96%, 100%, 89%
CMY	0.0353, 0.0000, 0.1137
CMYK	0.04, 0.00, 0.11, 0.00
HSL	79°, 100%, 94%
HSV	79°, 11%, 100%
XYZ	87.4935, 96.6038, 85.9865
YIQ	249.0030, 3.9450, -10.9270

Conversions

Conversions Part 2

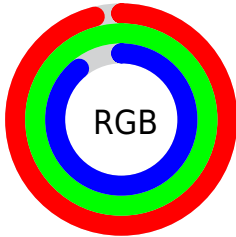
Format	Color
R _Y B	226, 255, 235
Decimal	16187362
CIE Lab	98.67, -7.89, 12.85
CIE LCh	99, 15.073, 121.549
Yxy	96.6038, 0.3239, 0.3577
Android (android.graphics.Color)	4294377442 (0xFFFF6FFE2)
YUV	249.0030, -11.3405, -2.6336
Hunter-Lab	98.2872, -13.1052, 16.9313

Details

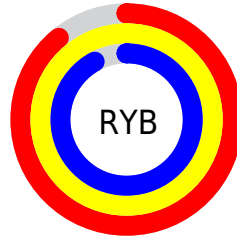
The XYZ color **87.4935, 96.6038, 85.9865** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **79.5081, 79.2761, 105.7190**, and the grayscale version is **90.1324, 94.8263, 103.2658**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7800, 54.2756, 46.4333** is the 20% darker color. If you saturate the color by 10%, you get **81.5335, 93.9060, 68.7801**, and if you desaturate by 10%, it is **94.0936, 99.5714, 105.9421**.

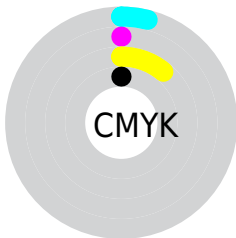
Distribution



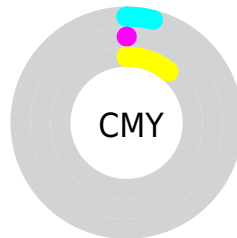
- Red (96%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (92%)



- Cyan (4%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.4935, 96.6038, 85.9865 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 87.4935, 96.6038, 85.9865 by changing the saturation by 10% instead.


 87.4935, 96.6038,
85.9865

 87.4935, 96.6038,
85.9865


508.2034,
549.2867, 535.1162

 66.2331, 73.4705,
64.1020

142.7479,
156.4785, 143.6370

 48.7300, 54.3608,
46.2866


177.4727,
193.9887, 180.2401

 34.6190, 38.8902,
32.1217


217.4162,
237.0599, 222.5865

 23.5347, 26.6743,
21.1889

262.9439,
286.0767, 271.0946

 15.1117, 17.3288,
13.0696

314.4211,
341.4234, 326.1831

 8.9846, 10.4692,
7.3452

372.2132,

 4.7882, 5.7111,

403.4844, 388.2705

3.5972

436.6855,
472.6440, 457.7754

■ 2.1570, 2.6702,
1.4071

■ 0.7199, 0.9621,
0.1472

■ 87.4935, 96.6038,
85.9865

■ 87.4935, 96.6038,
85.9865

■ 81.5335, 93.9060,
68.7801

■ 94.0936, 99.5714,
105.9421

■ 76.1873, 91.4671,
54.1979

■ 95.0500, 100.0000,
108.9000

■ 71.4293, 89.2769,
42.1118

■ 67.2315, 87.3239,
32.3812

■ 63.5629, 85.5955,
24.8514

■ 60.3891, 84.0778,
19.3495

■ 57.6707, 82.7550,
15.6765

■ 55.3608, 81.6079,
13.5932

■ 53.6345, 80.7346,
12.7565

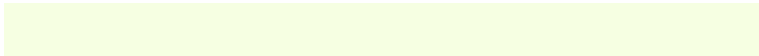
Harmonies

Analogous

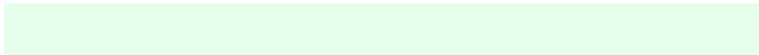
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5921, 96.6038, 82.9224



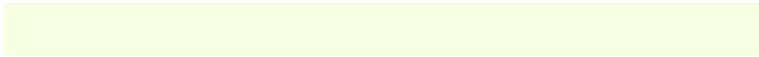
87.4935, 96.6038, 85.9865



84.6295, 96.6038, 94.1352

Triad

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



87.4935, 96.6038, 85.9865



87.8750, 96.6038, 127.7868



100.4748, 96.6038, 104.5360

Complementary

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



87.4935, 96.6038, 85.9865



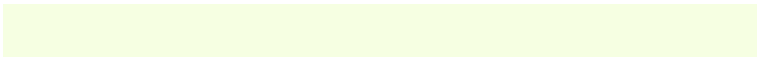
79.5081, 79.2761, 105.7190

Split Complementary

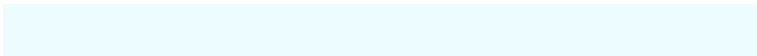
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.4045, 96.6038, 117.0676



87.4935, 96.6038, 85.9865



92.0463, 96.6038, 131.1134

Square

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



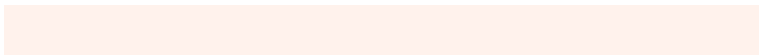
87.4935, 96.6038, 85.9865



84.8448, 96.6038, 118.2817



96.2848, 96.6038, 127.0478



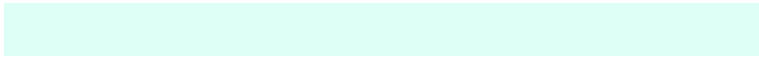
99.1653, 96.6038, 93.0928

Rectangle

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



87.4935, 96.6038, 85.9865



83.7581, 96.6038, 101.6891



96.2848, 96.6038, 127.0478



100.3812, 96.6038, 108.7604

Sweetspot

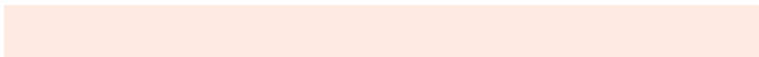
The Sweet Spot groups the original color and five complimentary colors.



87.4942, 96.6041, 85.9879



92.9746, 99.0696, 102.5012



84.5906, 85.9969, 84.0936



19.7838, 21.1526, 21.5827



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

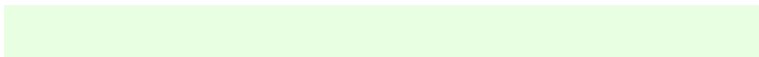
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4942, 96.6041, 85.9879



85.8667, 95.8693, 81.2041



82.7021, 94.1337, 85.7637



18.9806, 20.7914, 19.1571



28.1855, 42.2683, 6.6731



2.8566, 4.1734, 0.6550

Inverse Universe

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



79.5081, 79.2761, 105.7190



76.2146, 74.9254, 105.0529



84.3853, 81.7904, 105.9473



17.5333, 17.6511, 22.7329



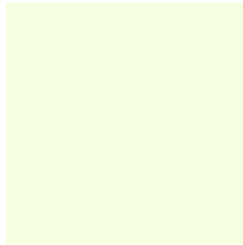
11.2559, 4.7131, 49.7511



1.2024, 0.5138, 4.8491

Previews

White Background



This preview shows how the XYZ color 87.4935, 96.6038, 85.9865 looks on a white background.

Color Contrast Check

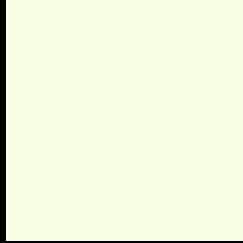
Large Text (above 18pt) WCAG AA × Fail

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 87.4935, 96.6038, 85.9865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

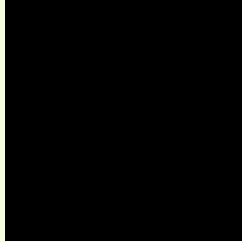
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

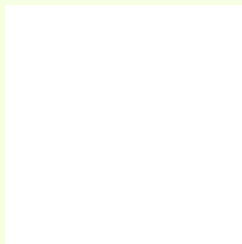
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.4935, 96.6038, 85.9865

Background



This preview shows how black text looks on a background with the XYZ color 87.4935, 96.6038, 85.9865.



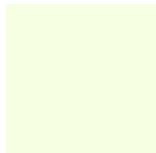
This preview shows how white text looks on a background with the XYZ color 87.4935, 96.6038,

85.9865.

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

87.4935, 96.6038, 85.9865

Protanopia

91.7642, 96.6652, 97.8262

Deuteranopia

92.5245, 96.4708, 103.3667

Tritanopia

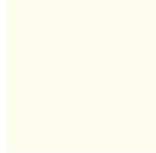
92.3308, 96.7236, 108.4109

Trichromacy



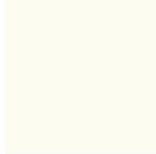
Original Color

87.4935, 96.6038, 85.9865



Protanomaly

90.0956, 96.3724, 93.2101



Deuteranomaly

90.8325, 96.6671, 97.0903



Tritanomaly

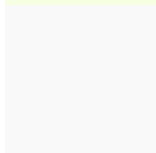
90.2065, 96.2922, 99.4198

Monochromacy



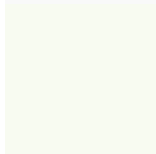
Original Color

87.4935, 96.6038, 85.9865



Achromatopsia

90.0415, 94.7307, 103.1617



Achromatomaly

89.0858, 95.3017, 96.9188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.4935, 96.6038, 85.9865 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(246, 255, 226) looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 226)  
}
```

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(246, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 87.4935, 96.6038, 85.9865 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(246, 255, 226) }
```


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

```
.border{ border-color:rgb(246, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 87.4935, 96.6038, 85.9865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 226) }
```

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

```
.background{ background-color: rgb(246,  
255, 226) }
```

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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