

Converting Colors

XYZ(86.8026, 96.2441, 85.9418)

Have a look what the booklet for
XYZ(86.8026, 96.2441, 85.9418)
contains.

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Color

**XYZ(86.7957, 96.2441,
85.9539)**

Conversions

Conversions Part 1

Format	Color
Hex	F4FFE2
RGB	244, 255, 226
RGB Percent	96%, 100%, 89%
CMY	0.0431, 0.0000, 0.1137
CMYK	0.04, 0.00, 0.11, 0.00
HSL	83°, 100%, 94%
HSV	83°, 11%, 100%
XYZ	86.7957, 96.2441, 85.9539
YIQ	248.4050, 2.7530, -11.3510

Conversions

Conversions Part 2

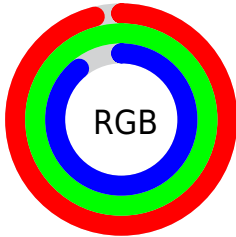
Format	Color
RYB	226, 255, 237
Decimal	16056290
CIELab	98.53, -8.57, 12.62
CIELCh	99, 15.257, 124.170
Yxy	96.2441, 0.3227, 0.3578
Android (android.graphics.Color)	4294246370 (0xFFFF4FFE2)
YUV	248.4050, -11.0457, -3.8632
Hunter-Lab	98.1041, -13.7577, 16.7259

Details

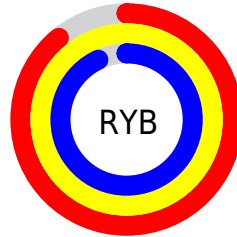
The XYZ color **86.7957, 96.2441, 85.9539** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **80.1722, 79.6185, 105.7501**, and the grayscale version is **89.6399, 94.3082, 102.7016**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2838, 54.0198, 46.4101** is the 20% darker color. If you saturate the color by 10%, you get **80.2840, 93.2618, 68.7216**, and if you desaturate by 10%, it is **94.0054, 99.5260, 105.9381**.

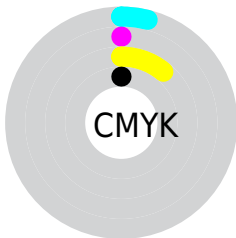
Distribution



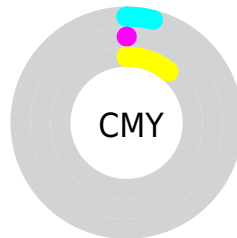
- Red (96%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (93%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.7957, 96.2441, 85.9539 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 86.7957, 96.2441, 85.9539 by changing the saturation by 10% instead.


 86.7957, 96.2441,
85.9539

 86.7957, 96.2441,
85.9539


505.9459,
548.1402, 535.0059

 65.6536, 73.1709,
64.0752


141.7805,
155.9823, 143.5911

 48.2579, 54.1157,
46.2650


176.3539,
193.4160, 180.1867

 34.2433, 38.6942,
32.1048


216.1351,
236.4053, 222.5250

 23.2443, 26.5219,
21.1761


261.4895,
285.3347, 271.0245

 14.8957, 17.2145,
13.0603

312.7824,
340.5885, 326.1038

 8.8321, 10.3875,
7.3389

370.3792,

 4.6880, 5.6566,

402.5510, 388.1815

3.5933

434.6453,
471.6068, 457.6760

■ 2.0983, 2.6374,
1.4050

■ 0.6883, 0.9455,
0.1456

■ 86.7957, 96.2441,
85.9539

■ 86.7957, 96.2441,
85.9539

■ 80.2840, 93.2618,
68.7216

■ 94.0054, 99.5260,
105.9381

■ 74.4426, 90.5677,
54.1163

■ 95.0500, 100.0000,
108.9000

■ 69.2449, 88.1508,
42.0096

■ 64.6615, 85.9990,
32.2609

■ 60.6600, 84.0990,
24.7156

■ 57.2048, 82.4363,
19.2005

■ 54.2549, 80.9940,
15.5166

■ 51.7620, 79.7526,
13.4248

■ 49.9156, 78.8175,
12.5825

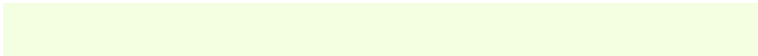
Harmonies

Analogous

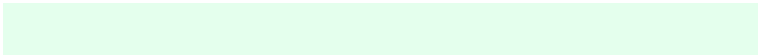
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8617, 96.2441, 82.3865



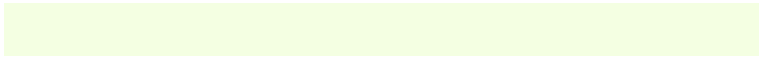
86.7957, 96.2441, 85.9539



84.0535, 96.2441, 94.5627

Triad

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



86.7957, 96.2441, 85.9539



87.8314, 96.2441, 128.2126



100.1995, 96.2441, 103.0369

Complementary

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



86.7957, 96.2441, 85.9539



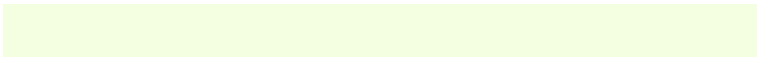
80.1722, 79.6185, 105.7501

Split Complementary

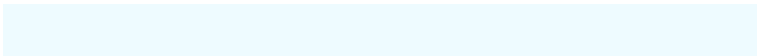
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.3255, 96.2441, 115.7368



86.7957, 96.2441, 85.9539



92.0953, 96.2441, 130.9340

Square

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



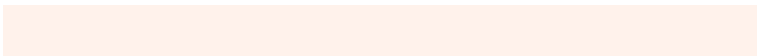
86.7957, 96.2441, 85.9539



84.6378, 96.2441, 119.0368



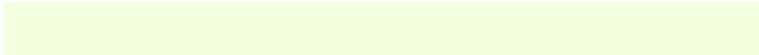
96.3239, 96.2441, 126.2024



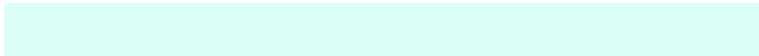
98.6753, 96.2441, 91.7342

Rectangle

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



86.7957, 96.2441, 85.9539



83.2964, 96.2441, 102.3457



96.3239, 96.2441, 126.2024



100.1767, 96.2441, 107.2800

Sweetspot

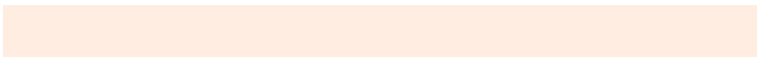
The Sweet Spot groups the original color and five complimentary colors.



86.7964, 96.2444, 85.9553



92.7831, 98.9709, 102.4922



85.1462, 87.1081, 84.2788



19.7321, 21.1260, 21.5803



0.0000, 0.0000, 0.0000



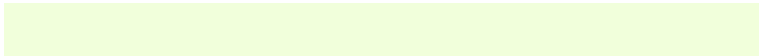
20.3446, 21.4041, 23.3091

Same Dimension

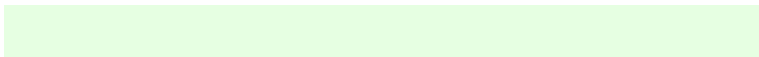
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7964, 96.2444, 85.9553



85.0183, 95.4320, 81.1644



82.0787, 93.8123, 85.7346



18.8546, 20.7265, 19.1512



26.2533, 41.2722, 6.5826



2.6778, 4.0812, 0.6466

Inverse Universe

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



80.1722, 79.6185, 105.7501



77.0122, 75.3366, 105.0902



85.0787, 82.1479, 105.9797



17.6541, 17.7134, 22.7385



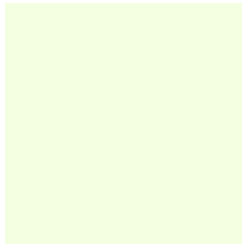
12.1445, 5.1712, 49.7926



1.2993, 0.5637, 4.8536

Previews

White Background



This preview shows how the XYZ color 86.7957, 96.2441, 85.9539 looks on a white background.

Color Contrast Check

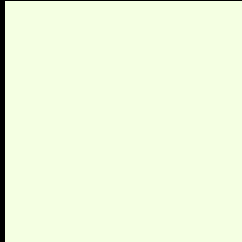
Large Text (above 18pt) WCAG AA × Fail

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 86.7957, 96.2441, 85.9539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

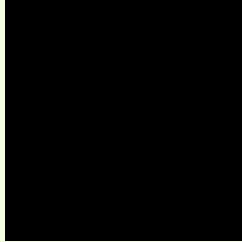
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

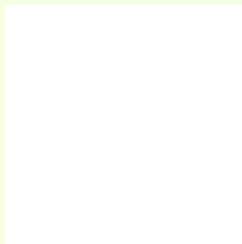
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.7957, 96.2441, 85.9539

Background



This preview shows how black text looks on a background with the XYZ color 86.7957, 96.2441, 85.9539.



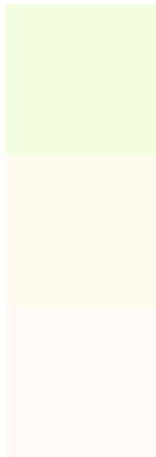
This preview shows how white text looks on a background with the XYZ color 86.7957, 96.2441,

85.9539.

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

86.7957, 96.2441, 85.9539

Protanopia

91.1538, 95.9225, 96.1486

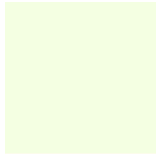
Deuteranopia

92.3689, 96.4085, 102.5473

Tritanopia

92.0193, 96.1004, 108.3070

Trichromacy



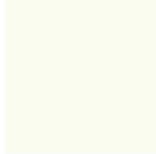
Original Color

86.7957, 96.2441, 85.9539



Protanomaly

89.5895, 96.1282, 92.4300



Deuteranomaly

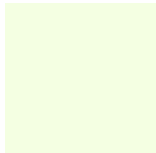
90.3222, 96.4213, 96.2888



Tritanomaly

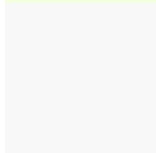
89.8509, 96.1089, 99.4032

Monochromacy



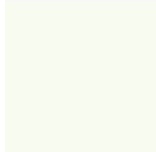
Original Color

86.7957, 96.2441, 85.9539



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

88.5831, 95.0598, 96.1176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.7957, 96.2441, 85.9539 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(244, 255, 226) looks like.

```
.text, #text, p{  
    color:rgb(244, 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(244, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 86.7957, 96.2441, 85.9539 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(244, 255, 226) }
```


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

```
.border{ border-color:rgb(244, 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(244, 255, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 86.7957, 96.2441, 85.9539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 226) }
```

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

```
.background{ background-color: rgb(244,  
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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