

Converting Colors

XYZ(89.0385, 100.0000,
86.4794)

Have a look what the booklet for
XYZ(89.0385, 100.0000, 86.4794)
contains.

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Color

**XYZ(87.1437, 96.4235,
85.9701)**

Conversions

Conversions Part 1

Format	Color
Hex	F5FFE2
RGB	245, 255, 226
RGB Percent	96%, 100%, 89%
CMY	0.0392, 0.0000, 0.1137
CMYK	0.04, 0.00, 0.11, 0.00
HSL	81°, 100%, 94%
HSV	81°, 11%, 100%
XYZ	87.1437, 96.4235, 85.9701
YIQ	248.7040, 3.3490, -11.1390

Conversions

Conversions Part 2

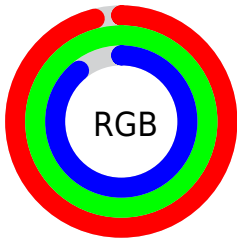
Format	Color
R _Y B	226, 255, 236
Decimal	16121826
CIE Lab	98.60, -8.23, 12.73
CIE LCh	99, 15.161, 122.869
Yxy	96.4235, 0.3233, 0.3577
Android (android.graphics.Color)	4294311906 (0xFFFF5FFE2)
YUV	248.7040, -11.1931, -3.2484
Hunter-Lab	98.1955, -13.4320, 16.8285

Details

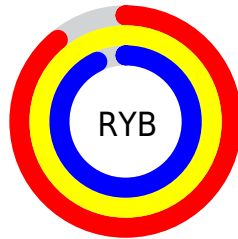
The XYZ color **87.1437, 96.4235, 85.9701** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **79.8391, 79.4467, 105.7345**, and the grayscale version is **89.8860, 94.5670, 102.9835**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5310, 54.1473, 46.4217** is the 20% darker color. If you saturate the color by 10%, you get **80.9055, 93.5823, 68.7506**, and if you desaturate by 10%, it is **94.0495, 99.5487, 105.9400**.

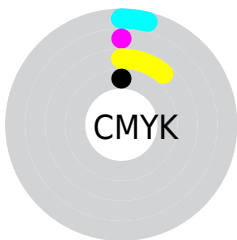
Distribution



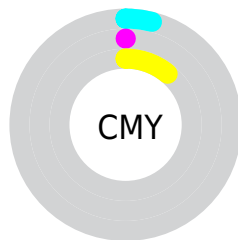
- Red (96%)
- Green (100%)
- Blue (89%)



- 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 87.1437, 96.4235, 85.9701 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 87.1437, 96.4235, 85.9701 by changing the saturation by 10% instead.

87.1437, 96.4235,
85.9701

87.1437, 96.4235,
85.9701

507.0724,
548.7122, 535.0607

65.9426, 73.3203,
64.0885

142.2631,
156.2298, 143.6139

48.4933, 54.2379,
46.2757

176.9120,
193.7016, 180.2132

34.4306, 38.7919,
32.1132

216.7742,
236.7319, 222.5555

23.3890, 26.5979,
21.1825

262.2151,
285.7049, 271.0594

15.0033, 17.2715,
13.0649

313.6000,
341.0050, 326.1432

8.9080, 10.4282,
7.3420

371.2943,

4.7379, 5.6838,

403.0167, 388.2257

3.5952

435.6633,
472.1243, 457.7254

■ 2.1275, 2.6538,
1.4060

■ 0.7041, 0.9538,
0.1464

■ 87.1437, 96.4235,
85.9701

■ 87.1437, 96.4235,
85.9701

■ 80.9055, 93.5823,
68.7506

■ 94.0495, 99.5487,
105.9400

■ 75.3081, 91.0139,
54.1567

■ 95.0500, 100.0000,
108.9000

■ 70.3253, 88.7078,
42.0601

■ 65.9285, 86.6522,
32.3202

■ 62.0862, 84.8342,
24.7823

■ 58.7633, 83.2397,
19.2734

■ 55.9198, 81.8523,
15.5945

■ 53.5081, 80.6527,
13.5065

■ 51.7121, 79.7436,
12.6665

Harmonies

Analogous

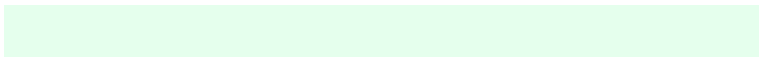
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.2259, 96.4235, 82.6539



87.1437, 96.4235, 85.9701



84.3408, 96.4235, 94.3488

Triad

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



87.1437, 96.4235, 85.9701



87.8530, 96.4235, 127.9994



100.3367, 96.4235, 103.7839

Complementary

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



87.1437, 96.4235, 85.9701



79.8391, 79.4467, 105.7345

Split Complementary

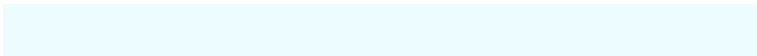
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.3648, 96.4235, 116.4001



87.1437, 96.4235, 85.9701



92.0706, 96.4235, 131.0232

Square

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



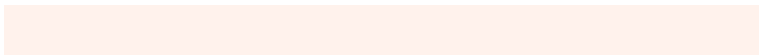
87.1437, 96.4235, 85.9701



84.7410, 96.4235, 118.6588



96.3042, 96.4235, 126.6239



98.9197, 96.4235, 92.4112

Rectangle

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



87.1437, 96.4235, 85.9701



83.5267, 96.4235, 102.0171



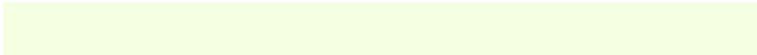
96.3042, 96.4235, 126.6239



100.2786, 96.4235, 108.0177

Sweetspot

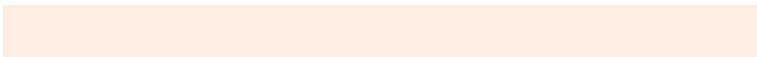
The Sweet Spot groups the original color and five complimentary colors.



87.1444, 96.4238, 85.9715



92.8788, 99.0202, 102.4967



84.8677, 86.5510, 84.1859



19.7579, 21.1393, 21.5815



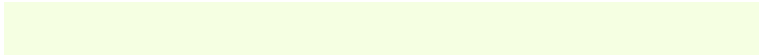
0.0000, 0.0000, 0.0000



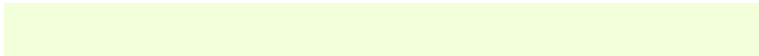
20.3446, 21.4041, 23.3091

Same Dimension

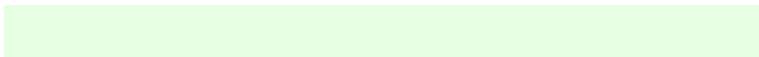
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1444, 96.4238, 85.9715



85.4411, 95.6499, 81.1841



82.3895, 93.9726, 85.7490



18.9175, 20.7589, 19.1541



27.1876, 41.7538, 6.6264



2.7647, 4.1260, 0.6507

Inverse Universe

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



79.8391, 79.4467, 105.7345



76.6120, 75.1302, 105.0714



84.7311, 81.9686, 105.9635



17.5935, 17.6822, 22.7357



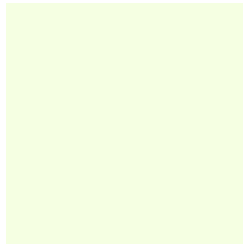
11.6745, 4.9289, 49.7706



1.2488, 0.5377, 4.8512

Previews

White Background



This preview shows how the XYZ color 87.1437, 96.4235, 85.9701 looks on a white background.

Color Contrast Check

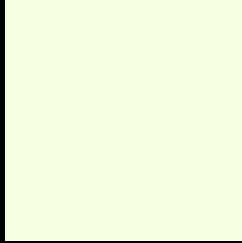
Large Text (above 18pt) WCAG AA × Fail

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 87.1437, 96.4235, 85.9701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

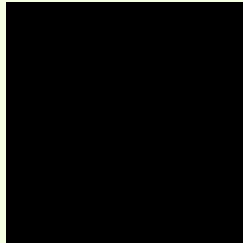
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

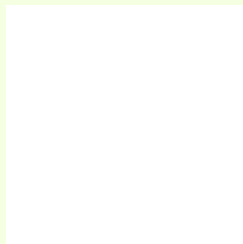
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.1437, 96.4235, 85.9701

Background



This preview shows how black text looks on a background with the XYZ color 87.1437, 96.4235, 85.9701.



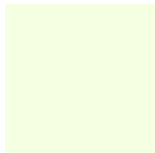
This preview shows how white text looks on a background with the XYZ color 87.1437, 96.4235,

85.9701.

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

87.1437, 96.4235, 85.9701

Protanopia

91.6144, 96.6052, 97.0372

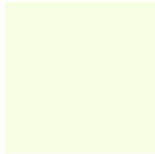
Deuteranopia

92.3689, 96.4085, 102.5473

Tritanopia

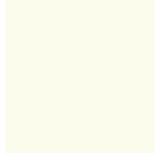
92.0193, 96.1004, 108.3070

Trichromacy



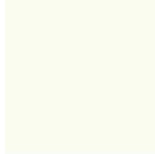
Original Color

87.1437, 96.4235, 85.9701



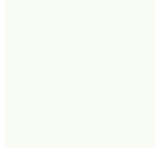
Protanomaly

89.7344, 96.1862, 93.1932



Deuteranomaly

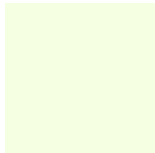
90.3222, 96.4213, 96.2888



Tritanomaly

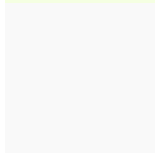
90.2065, 96.2922, 99.4198

Monochromacy



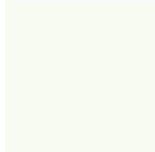
Original Color

87.1437, 96.4235, 85.9701



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 87.1437, 96.4235, 85.9701 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(245, 255, 226) looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 87.1437, 96.4235, 85.9701 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(245, 255, 226) }
```


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

```
.border{ border-color:rgb(245, 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(245, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1437, 96.4235, 85.9701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 226) }
```

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

```
.background{ background-color: rgb(245,  
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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double the colors in the color bucket, and more
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