

Converting Colors

XYZ(137.7315, 198.9455,
94.4075)

Have a look what the booklet for
XYZ(137.7315, 198.9455, 94.4075)
contains.

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Color

**XYZ(86.4816, 96.2806,
76.9767)**

Conversions

Conversions Part 1

Format	Color
Hex	F8FFD5
RGB	248, 255, 213
RGB Percent	97%, 100%, 84%
CMY	0.0274, 0.0000, 0.1647
CMYK	0.03, 0.00, 0.16, 0.00
HSL	70°, 100%, 92%
HSV	70°, 16%, 100%
XYZ	86.4816, 96.2806, 76.9767
YIQ	248.1190, 9.3100, -14.5460

Conversions

Conversions Part 2

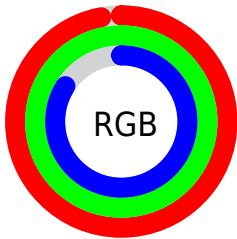
Format	Color
R_{YB}	213, 255, 220
Decimal	16318421
CIE Lab	98.54, -9.22, 19.32
CIE LCh	99, 21.407, 115.504
Yxy	96.2806, 0.3330, 0.3707
Android (android.graphics.Color)	4294508501 (0xFFF8FFD5)
YUV	248.1190, -17.3137, -0.1044
Hunter-Lab	98.1227, -14.3916, 22.1732

Details

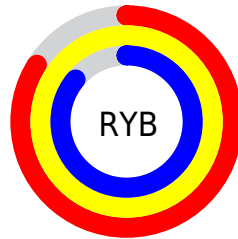
The XYZ color **86.4816, 96.2806, 76.9767** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.3604, 70.0254, 104.3629**, and the grayscale version is **89.4514, 94.1099, 102.4856**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.8515, 53.9332, 40.2358** is the 20% darker color. If you saturate the color by 10%, you get **82.0053, 94.3180, 61.1790**, and if you desaturate by 10%, it is **91.5022, 98.4648, 95.4591**.

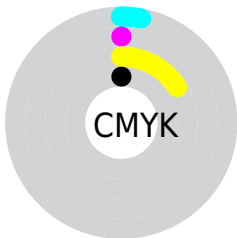
Distribution



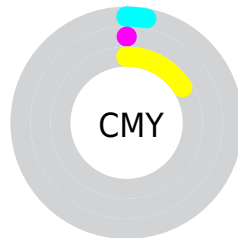
- Red (97%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (86%)



- Cyan (3%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.4816, 96.2806, 76.9767 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 86.4816, 96.2806, 76.9767 by changing the saturation by 10% instead.


 86.4816, 96.2806,
76.9767

 86.4816, 96.2806,
76.9767

504.9280,
548.2566, 504.1201

 65.3929, 73.2013,
56.7223


141.3447,
156.0326, 130.8793

 48.0456, 54.1406,
40.3745


175.8499,
193.4741, 165.3646

 34.0744, 38.7141,
27.5146


215.5579,
236.4718, 205.4306

 23.1139, 26.5373,
17.7242

260.8340,
285.4100, 251.4958

 14.7988, 17.2261,
10.5848

312.0438,
340.6732, 303.9789

 8.7637, 10.3958,
5.6777

369.5525,

 4.6432, 5.6622,

402.6458, 363.2982

2.5845

433.7254,
471.7121, 429.8725

■ 2.0721, 2.6408,
0.8845

■ 0.6740, 0.9472,
0.0000

■ 86.4816, 96.2806,
76.9767

■ 86.4816, 96.2806,
76.9767

■ 82.0053, 94.3180,
61.1790

■ 91.5022, 98.4648,
95.4591

■ 78.0478, 92.5668,
47.9370

95.0500, 100.0000,
108.9000

■ 74.5837, 91.0169,
37.1171

■ 71.5848, 89.6569,
28.5721

■ 69.0200, 88.4744,
22.1388

■ 66.8538, 87.4552,
17.6322

■ 65.0449, 86.5827,
14.8355

■ 63.5415, 85.8362,
13.4776

■ 63.0563, 85.5918,
13.1974

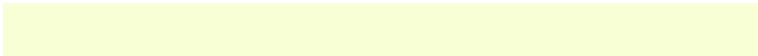
Harmonies

Analogous

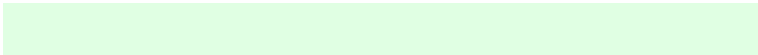
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4481, 96.2806, 74.3879



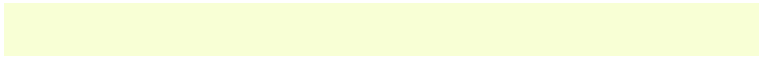
86.4816, 96.2806, 76.9767



82.0478, 96.2806, 86.6871

Triad

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



86.4816, 96.2806, 76.9767



84.9345, 96.2806, 135.5142



103.8989, 96.2806, 107.5283

Complementary

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



86.4816, 96.2806, 76.9767



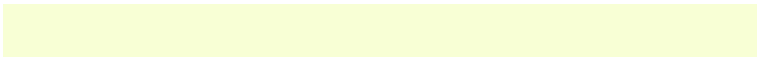
71.3604, 70.0254, 104.3629

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.



101.6770, 96.2806, 125.3498



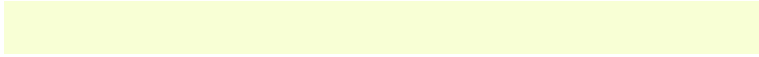
86.4816, 96.2806, 76.9767



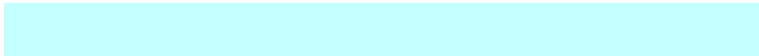
90.5819, 96.2806, 142.6236

Square

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



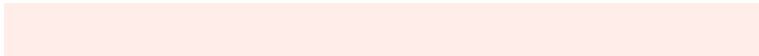
86.4816, 96.2806, 76.9767



81.1833, 96.2806, 120.2075



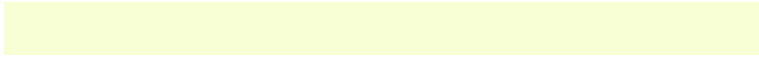
96.7334, 96.2806, 138.7101



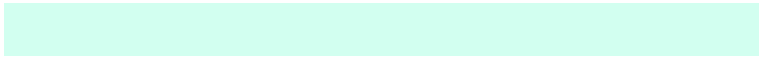
102.6812, 96.2806, 90.8291

Rectangle

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



86.4816, 96.2806, 76.9767



80.4644, 96.2806, 96.5294



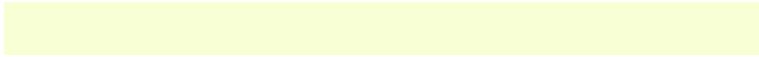
96.7334, 96.2806, 138.7101



103.5268, 96.2806, 113.6001

Sweetspot

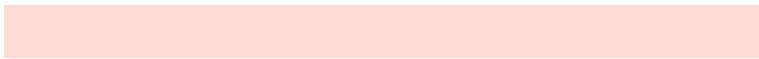
The Sweet Spot groups the original color and five complimentary colors.



86.4821, 96.2808, 76.9781



92.2872, 98.8051, 98.4086



78.6608, 76.8848, 73.6465



19.6726, 21.1134, 20.7600



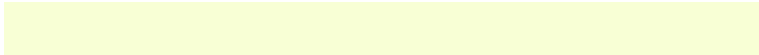
0.0000, 0.0000, 0.0000



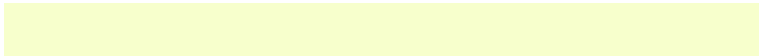
20.3446, 21.4041, 23.3091

Same Dimension

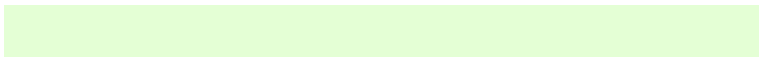
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4821, 96.2808, 76.9781



84.8409, 95.5631, 71.1007



79.6707, 92.7694, 76.6593



19.2466, 20.9285, 19.1695



33.0582, 44.7802, 6.9011



3.2941, 4.3989, 0.6755

Inverse Universe

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



71.3604, 70.0254, 104.3629



66.9385, 64.4771, 103.5250



77.8821, 73.3875, 104.6681



17.2850, 17.5232, 22.7212



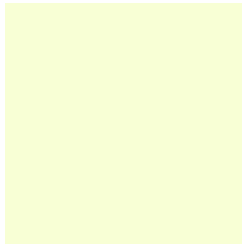
10.0233, 4.0777, 49.6934



1.0514, 0.4359, 4.8420

Previews

White Background



This preview shows how the XYZ color 86.4816, 96.2806, 76.9767 looks on a white background.

Color Contrast Check

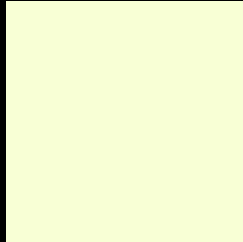
Large Text (above 18pt) WCAG AA × Fail

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 86.4816, 96.2806, 76.9767 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 86.4816, 96.2806, 76.9767

Background



This preview shows how black text looks on a background with the XYZ color 86.4816, 96.2806, 76.9767.



This preview shows how white text looks on a background with the XYZ color 86.4816, 96.2806,

76.9767.

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

86.4816, 96.2806, 76.9767

Protanopia

91.3172, 96.4864, 95.4722

Deuteranopia

92.2141, 96.3466, 101.7322

Tritanopia

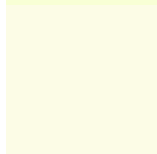
92.3805, 96.2867, 108.3240

Trichromacy



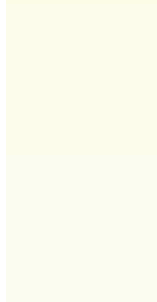
Original Color

86.4816, 96.2806, 76.9767



Protanomaly

89.2382, 96.0294, 88.6951



Deuteranomaly

89.9507, 96.3144, 92.4469

Tritanomaly

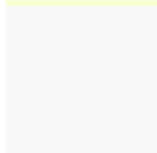
90.3222, 96.4213, 96.2888

Monochromacy



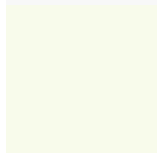
Original Color

86.4816, 96.2806, 76.9767



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

88.2040, 94.9490, 92.2754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.4816, 96.2806, 76.9767 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(248, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 213)  
}
```

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(248, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 86.4816, 96.2806, 76.9767 is called "border". The border property can be set on classes, ids or directly on the HTML element.

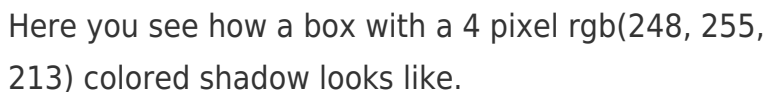
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(248, 255, 213) }
```


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

```
.border{ border-color:rgb(248, 255, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(248, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 86.4816, 96.2806, 76.9767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 213) }
```

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

```
.background{ background-color: rgb(248,  
255, 213) }
```

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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