

Converting Colors

XYZ(85.9285, 100.0000,
67.0095)

Have a look what the booklet for
XYZ(85.9285, 100.0000, 67.0095)
contains.

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Color

**XYZ(83.3800, 94.9180,
66.1510)**

Conversions

Conversions Part 1

Format	Color
Hex	F5FFC4
RGB	245, 255, 196
RGB Percent	96%, 100%, 77%
CMY	0.0392, 0.0000, 0.2314
CMYK	0.04, 0.00, 0.23, 0.00
HSL	70°, 100%, 88%
HSV	70°, 23%, 100%
XYZ	83.3800, 94.9180, 66.1510
YIQ	245.2840, 12.9790, -20.4690

Conversions

Conversions Part 2

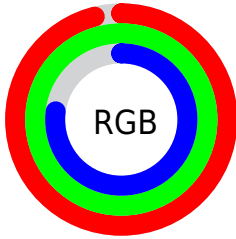
Format	Color
R_{YB}	196, 255, 206
Decimal	16121796
CIE _{Lab}	98.00, -12.74, 27.16
CIE _{LCh}	98, 30.002, 115.128
Yxy	94.9180, 0.3411, 0.3883
Android (android.graphics.Color)	4294311876 (0xFFFF5FFC4)
YUV	245.2840, -24.2970, -0.2491
Hunter-Lab	97.4259, -17.7296, 27.9409

Details

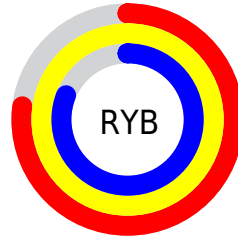
The XYZ color **83.3800, 94.9180, 66.1510** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.2445, 59.8230, 102.8214**, and the grayscale version is **87.2011, 91.7423, 99.9074**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **45.8156, 53.0325, 33.4127** is the 20% darker color. If you saturate the color by 10%, you get **79.2294, 93.0856, 52.0713**, and if you desaturate by 10%, it is **88.0602, 96.9663, 82.8331**.

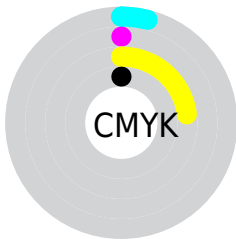
Distribution



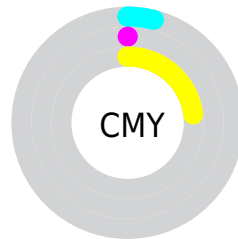
- Red (96%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (81%)



- Cyan (4%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.3800, 94.9180, 66.1510 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 83.3800, 94.9180, 66.1510 by changing the saturation by 10% instead.


 83.3800, 94.9180,
66.1510

 83.3800, 94.9180,
66.1510


494.8169,
543.9024, 465.3357

 62.8217, 72.0667,
47.9377


137.0333,
154.1513, 115.3321

 45.9551, 53.2132,
33.4179


170.8590,
191.3021, 147.1370

 32.4148, 37.9730,
22.1731


209.8378,
233.9883, 184.3096

 21.8356, 25.9617,
13.7846

254.3352,
282.5941, 227.2683

 13.8521, 16.7950,
7.8340

304.7164,
337.5041, 276.4317

 8.0989, 10.0884,
3.9026

361.3469,

 4.2106, 5.4576,

399.1025, 332.2184

1.5721

424.5919,
467.7738, 395.0469

■ 1.8220, 2.5182,
0.2708

■ 0.5309, 0.8857,
0.0000

■ 83.3800, 94.9180,
66.1510

■ 83.3800, 94.9180,
66.1510

■ 79.2294, 93.0856,
52.0713

■ 88.0602, 96.9663,
82.8331

■ 75.5817, 91.4584,
40.4587

■ 93.2919, 99.2394,
102.2357

■ 72.4100, 90.0256,
31.1716

■ 95.0500, 100.0000,
108.9000

■ 69.6844, 88.7753,
24.0528

■ 67.3708, 87.6937,
18.9253

■ 65.4303, 86.7652,
15.5845

■ 63.8153, 85.9709,
13.7818

■ 62.8482, 85.4845,
13.1877

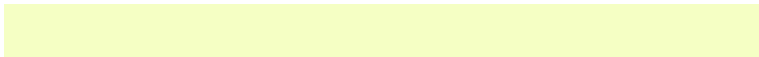
Harmonies

Analogous

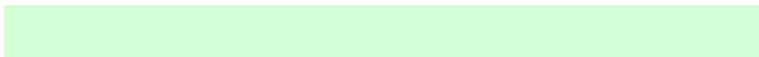
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.6275, 94.9180, 63.0029



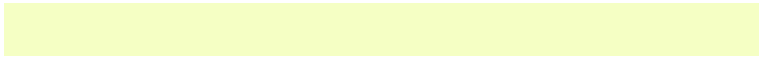
83.3800, 94.9180, 66.1510



77.3271, 94.9180, 78.5839

Triad

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



83.3800, 94.9180, 66.1510



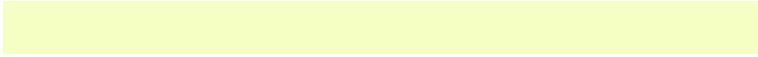
81.0947, 94.9180, 147.2424



107.7038, 94.9180, 107.4215

Complementary

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



83.3800, 94.9180, 66.1510



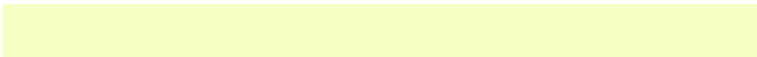
63.2445, 59.8230, 102.8214

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.



104.4646, 94.9180, 132.8381



83.3800, 94.9180, 66.1510



88.8205, 94.9180, 158.0396

Square

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



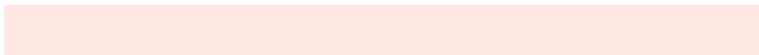
83.3800, 94.9180, 66.1510



76.0675, 94.9180, 124.7767



97.4173, 94.9180, 152.3906



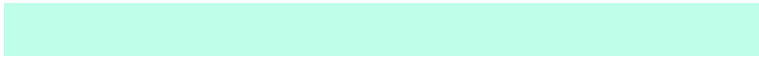
106.0199, 94.9180, 84.5276

Rectangle

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



83.3800, 94.9180, 66.1510



75.1694, 94.9180, 91.6724



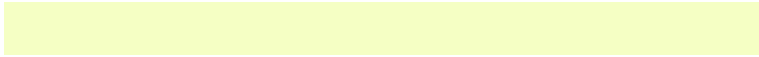
97.4173, 94.9180, 152.3906



107.1490, 94.9180, 115.9785

Sweetspot

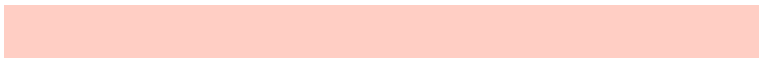
The Sweet Spot groups the original color and five complimentary colors.



83.3805, 94.9182, 66.1524



91.2037, 98.3339, 94.4091



73.2357, 69.3090, 61.7440



19.4532, 21.0179, 19.9538



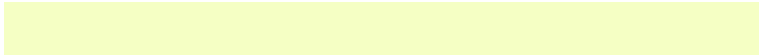
0.0000, 0.0000, 0.0000



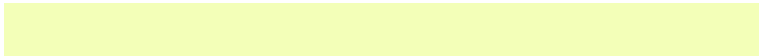
20.3446, 21.4041, 23.3091

Same Dimension

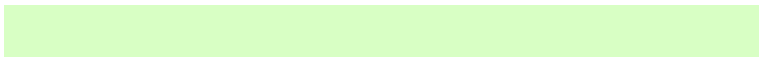
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3805, 94.9182, 66.1524



81.2970, 94.0006, 58.9870



73.9450, 90.0541, 65.7108



19.2413, 20.9258, 19.1693



32.9508, 44.7249, 6.8961



3.2846, 4.3941, 0.6750

Inverse Universe

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



63.2445, 59.8230, 102.8214



57.7949, 53.0308, 101.7976



72.1618, 64.4200, 103.2387



17.2899, 17.5256, 22.7215



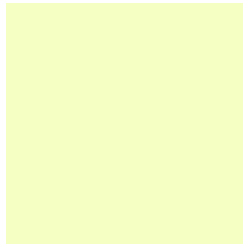
10.0401, 4.0864, 49.6942



1.0538, 0.4371, 4.8421

Previews

White Background



This preview shows how the XYZ color 83.3800, 94.9180, 66.1510 looks on a white background.

Color Contrast Check

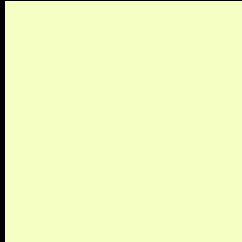
Large Text (above 18pt) WCAG AA × Fail

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 83.3800, 94.9180, 66.1510 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 83.3800, 94.9180, 66.1510

Background



This preview shows how black text looks on a background with the XYZ color 83.3800, 94.9180, 66.1510.

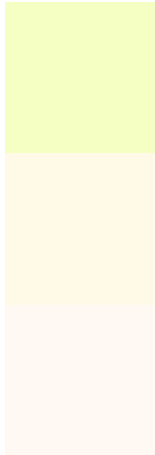


This preview shows how white text looks on a background with the XYZ color 83.3800, 94.9180,

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

83.3800, 94.9180, 66.1510

Protanopia

89.5395, 94.7809, 89.1766

Deuteranopia

90.9851, 94.8659, 98.3095

Tritanopia

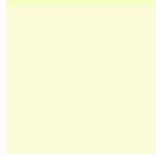
91.4011, 94.8640, 108.1010

Trichromacy



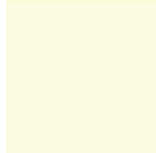
Original Color

83.3800, 94.9180, 66.1510



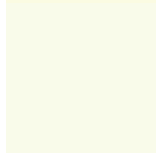
Protanomaly

86.9357, 94.5655, 80.0006



Deuteranomaly

88.0083, 94.9946, 85.6488



Tritanomaly

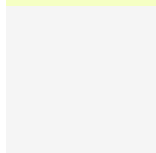
88.4154, 95.0746, 91.5331

Monochromacy



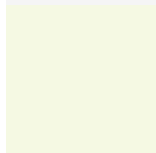
Original Color

83.3800, 94.9180, 66.1510



Achromatopsia

86.7900, 91.3099, 99.4364



Achromatomaly

85.3970, 92.7099, 86.0669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3800, 94.9180, 66.1510 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 196) }
```

Border

The CSS property to change the border of an element to XYZ 83.3800, 94.9180, 66.1510 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, 196) }
```


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

```
.border{ border-color:rgb(245, 255, 196) }
```

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, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3800, 94.9180, 66.1510 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, 196) }
```

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

```
.background{ background-color: rgb(245,  
255, 196) }
```

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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