

Converting Colors

XYZ(82.6566, 93.5437, 66.4728)

Have a look what the booklet for
XYZ(82.6566, 93.5437, 66.4728)
contains.

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Color

**XYZ(82.8595, 93.6943,
66.5410)**

Conversions

Conversions Part 1

Format	Color
Hex	F5FDC5
RGB	245, 253, 197
RGB Percent	96%, 99%, 77%
CMY	0.0392, 0.0078, 0.2274
CMYK	0.03, 0.00, 0.22, 0.01
HSL	69°, 93%, 88%
HSV	69°, 22%, 99%
XYZ	82.8595, 93.6943, 66.5410
YIQ	244.2240, 13.2080, -19.1120

Conversions

Conversions Part 2

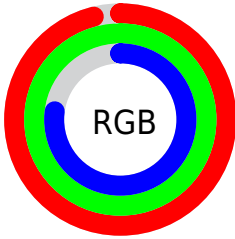
Format	Color
R_{YB}	197, 253, 205
Decimal	16121285
CIE _{Lab}	97.51, -11.62, 25.98
CIE _{LCh}	98, 28.461, 114.091
Yxy	93.6943, 0.3409, 0.3854
Android (android.graphics.Color)	4294311365 (0xFFF5FDC5)
YUV	244.2240, -23.2814, 0.6806
Hunter-Lab	96.7958, -16.5925, 26.9989

Details

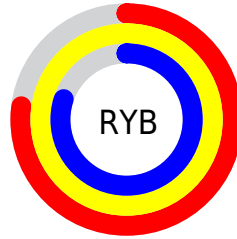
The XYZ color **82.8595, 93.6943, 66.5410** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.8765, 60.0061, 101.2022**, and the grayscale version is **86.3437, 90.8403, 98.9251**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **45.4369, 52.1544, 33.6586** is the 20% darker color. If you saturate the color by 10%, you get **78.9518, 91.9900, 52.4743**, and if you desaturate by 10%, it is **87.2834, 95.6142, 83.1753**.

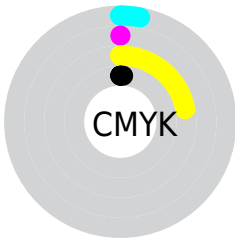
Distribution



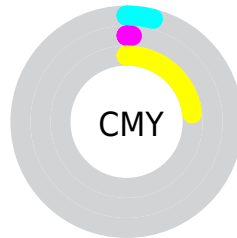
- Red (96%)
- Green (99%)
- Blue (77%)



- Red (77%)
- Yellow (99%)
- Blue (80%)



- Cyan (3%)
- Magenta (0%)
- Yellow (22%)
- Black (1%)





- Cyan (4%)
- Magenta (1%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.8595, 93.6943, 66.5410 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 82.8595, 93.6943, 66.5410 by changing the saturation by 10% instead.


 82.8595, 93.6943,
66.5410

 82.8595, 93.6943,
66.5410


493.1092,
539.9764, 466.7661

 62.3908, 71.0487,
48.2525


136.3082,
152.4595, 115.8969

 45.6053, 52.3820,
33.6654


170.0189,
189.3479, 147.8013

 32.1378, 37.3096,
22.3614


208.8743,
231.7527, 185.0813

 21.6228, 25.4473,
13.9219

253.2397,
280.0583, 228.1557

 13.6951, 16.4106,
7.9282

303.4806,
334.6491, 277.4428

 7.9892, 9.8152,
3.9619

359.9622,

 4.1398, 5.2766,

395.9094, 333.3612

1.6045

423.0500,
464.2237, 396.3295

■ 1.7815, 2.4104,
0.2940

■ 0.5065, 0.8313,
0.0000

■ 82.8595, 93.6943,
66.5410

■ 82.8595, 93.6943,
66.5410

■ 78.9518, 91.9900,
52.4743

■ 87.2834, 95.6142,
83.1753

■ 75.5285, 90.4792,
40.8414

■ 92.2388, 97.7464,
102.4902

■ 72.5657, 89.1554,
31.5055

■ 94.4173, 98.7346,
108.6891

■ 70.0340, 88.0068,
24.3139

■ 67.9009, 87.0204,
19.0952

■ 66.1287, 86.1812,
15.6520

■ 64.6720, 85.4710,
13.7460

■ 63.6946, 84.9816,
13.0460

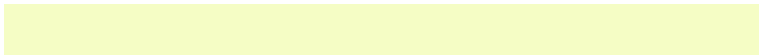
Harmonies

Analogous

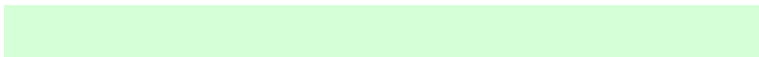
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6633, 93.6943, 63.8406



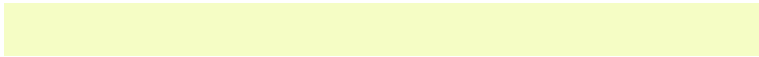
82.8595, 93.6943, 66.5410



77.0500, 93.6943, 78.0760

Triad

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



82.8595, 93.6943, 66.5410



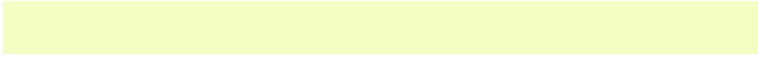
80.2462, 93.6943, 142.4795



105.4238, 93.6943, 106.6685

Complementary

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



82.8595, 93.6943, 66.5410



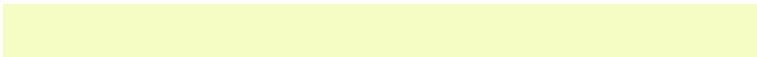
62.8765, 60.0061, 101.2022

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.



102.2434, 93.6943, 130.4114



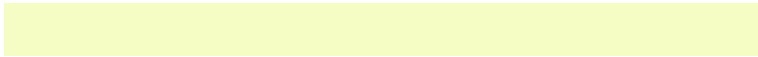
82.8595, 93.6943, 66.5410



87.4631, 93.6943, 153.0020

Square

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



82.8595, 93.6943, 66.5410



75.6063, 93.6943, 121.2844



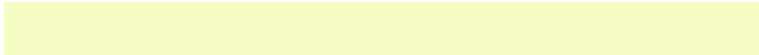
95.5490, 93.6943, 148.2820



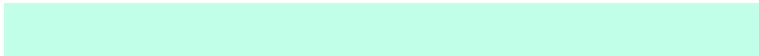
104.0078, 93.6943, 84.9068

Rectangle

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



82.8595, 93.6943, 66.5410



74.9284, 93.6943, 90.2966



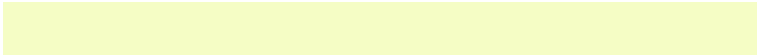
95.5490, 93.6943, 148.2820



104.8511, 93.6943, 114.7105

Sweetspot

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



82.8619, 93.6984, 66.5430



91.3754, 98.4224, 94.4171



72.2932, 68.3244, 62.2023



19.4930, 21.0385, 19.9557



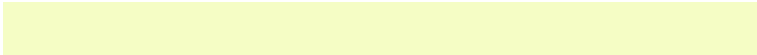
0.0000, 0.0000, 0.0000



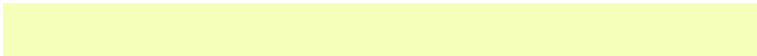
20.3446, 21.4041, 23.3091

Same Dimension

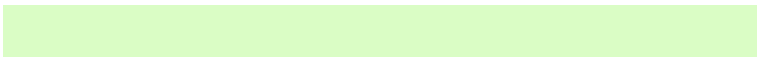
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8619, 93.6984, 66.5430



82.3502, 94.5124, 60.4404



73.9808, 89.1200, 66.1274



19.2909, 20.9514, 19.1716



33.9768, 45.2537, 6.9441



3.3751, 4.4407, 0.6792

Inverse Universe

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



62.8765, 60.0061, 101.2022



58.4034, 54.1358, 101.9788



71.1294, 64.2606, 101.5884



17.2445, 17.5023, 22.7193



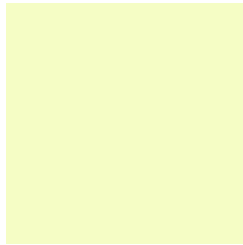
9.8925, 4.0103, 49.6872



1.0324, 0.4261, 4.8411

Previews

White Background



This preview shows how the XYZ color 82.8595, 93.6943, 66.5410 looks on a white background.

Color Contrast Check

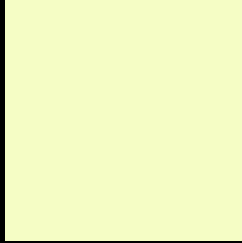
Large Text (above 18pt) WCAG AA × Fail

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 82.8595, 93.6943, 66.5410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

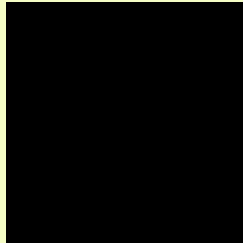
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.8595, 93.6943, 66.5410

Background



This preview shows how black text looks on a background with the XYZ color 82.8595, 93.6943, 66.5410.

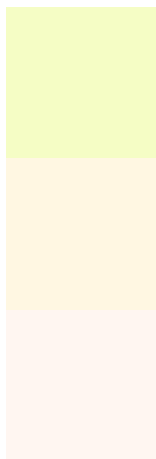


This preview shows how white text looks on a background with the XYZ color 82.8595, 93.6943,

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

82.8595, 93.6943, 66.5410

Protanopia

88.2282, 93.2725, 85.3048

Deuteranopia

90.0730, 93.5224, 96.5234



Tritanopia

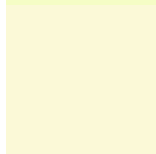
90.7894, 93.6408, 107.8971

Trichromacy



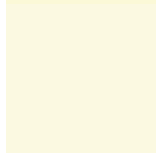
Original Color

82.8595, 93.6943, 66.5410



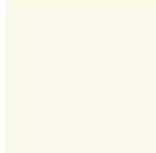
Protanomaly

85.9251, 93.1669, 77.7443



Deuteranomaly

87.2499, 93.6968, 84.7209



Tritanomaly

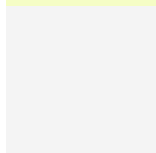
87.7939, 93.8316, 91.3260

Monochromacy



Original Color

82.8595, 93.6943, 66.5410



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.4341, 91.3007, 85.8457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.8595, 93.6943, 66.5410 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, 253, 197)` looks like.

```
.text, #text, p{  
    color:rgb(245, 253, 197)  
}
```

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, 253, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 253, 197) }
```

Border

The CSS property to change the border of an element to XYZ 82.8595, 93.6943, 66.5410 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, 253, 197) }
```


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

```
.border{ border-color:rgb(245, 253, 197) }
```

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

Here you see how a box with a 4 pixel rgb(245, 253, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 253, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 253, 197);  
box-shadow:4px 4px 4px 4px rgb(245, 253,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 82.8595, 93.6943, 66.5410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 253, 197) }
```

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

```
.background{ background-color: rgb(245,  
253, 197) }
```

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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