

Converting Colors

XYZ(93.9723, 108.3589,
91.4923)

Have a look what the booklet for
XYZ(93.9723, 108.3589, 91.4923)
contains.

XYZ(88.1898, 96.8824, 89.6534)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(88.1898, 96.8824,
89.6534)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FFE7
RGB	246, 255, 231
RGB Percent	96%, 100%, 91%
CMY	0.0353, 0.0000, 0.0941
CMYK	0.04, 0.00, 0.09, 0.00
HSL	82°, 100%, 95%
HSV	82°, 9%, 100%
XYZ	88.1898, 96.8824, 89.6534
YIQ	249.5730, 2.3400, -9.3720

Conversions

Conversions Part 2

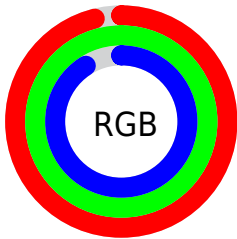
Format	Color
R _Y B	231, 255, 240
Decimal	16187367
CIE _{Lab}	98.78, -7.07, 10.44
CIE _{LCh}	99, 12.614, 124.114
Y _{xy}	96.8824, 0.3210, 0.3527
Android (android.graphics.Color)	4294377447 (0xFFFF6FFE7)
Y _{UV}	249.5730, -9.1565, -3.1335
Hunter-Lab	98.4289, -12.3190, 14.8962

Details

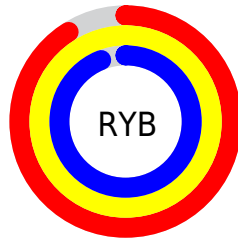
The XYZ color 88.1898, 96.8824, 89.6534 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 82.5620, 82.8984, 106.2572, and the grayscale version is 90.5851, 95.3026, 103.7845.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.1672, 54.4305, 48.4722 is the 20% darker color. If you saturate the color by 10%, you get 81.5781, 93.8601, 71.8930, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

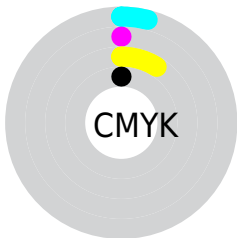
Distribution



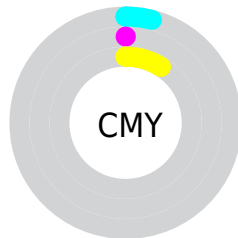
- Red (96%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (94%)



- Cyan (4%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 88.1898, 96.8824, 89.6534 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 88.1898, 96.8824, 89.6534 by changing the saturation by 10% instead.

 88.1898, 96.8824,
89.6534

 88.1898, 96.8824,
89.6534

510.4507,
550.1739, 547.4437

 66.8116, 73.7027,
67.1211


143.7125,
156.8627, 148.7882

 49.2017, 54.5507,
48.7208


178.5878,
194.4320, 186.2277

 34.9947, 39.0421,
34.0340


218.6927,
237.5667, 229.4735

 23.8253, 26.7925,
22.6422

264.3928,
286.6511, 278.9439

 15.3281, 17.4175,
14.1267

316.0532,
342.0696, 335.0576

 9.1378, 10.5326,
8.0691

374.0394,

 4.8890, 5.7535,

404.2067, 398.2331

4.0508

438.7168,
473.4466, 468.8890

■ 2.2164, 2.6958,
1.6532

■ 0.7513, 0.9750,
0.3284

■ 88.1898, 96.8824,
89.6534

■ 88.1898, 96.8824,
89.6534

■ 81.5781, 93.8601,
71.8930

95.0500, 100.0000,
108.9000

■ 75.6381, 91.1262,
56.7836

■ 70.3435, 88.6698,
44.1990

■ 65.6654, 86.4790,
34.0008

■ 61.5723, 84.5410,
26.0373

■ 58.0293, 82.8414,
20.1396

■ 54.9968, 81.3640,
16.1146

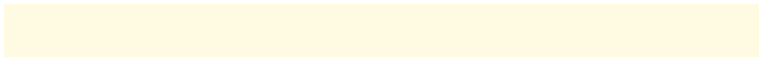
■ 52.4283, 80.0900,
13.7327

■ 50.2537, 78.9908,
12.6412

Harmonies

Analogous

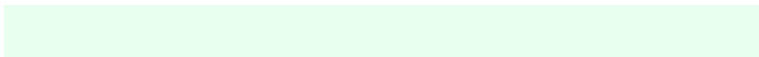
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5795, 96.8824, 86.6205



88.1898, 96.8824, 89.6534



85.8913, 96.8824, 96.9244

Triad

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



88.1898, 96.8824, 89.6534



89.0428, 96.8824, 124.6970



99.2893, 96.8824, 104.0480

Complementary

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



88.1898, 96.8824, 89.6534



82.5620, 82.8984, 106.2572

Split Complementary

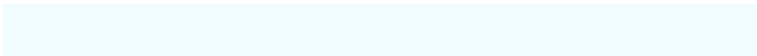
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.5670, 96.8824, 114.5427



88.1898, 96.8824, 89.6534



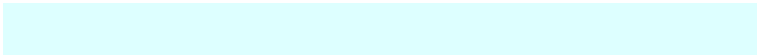
92.5900, 96.8824, 126.9148

Square

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



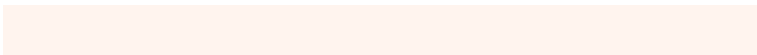
88.1898, 96.8824, 89.6534



86.3746, 96.8824, 117.2109



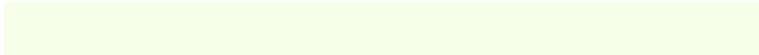
96.0908, 96.8824, 123.0863



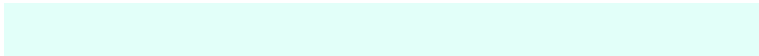
98.0393, 96.8824, 94.5749

Rectangle

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



88.1898, 96.8824, 89.6534



85.2537, 96.8824, 103.4332



96.0908, 96.8824, 123.0863



99.2693, 96.8824, 107.5708

Sweetspot

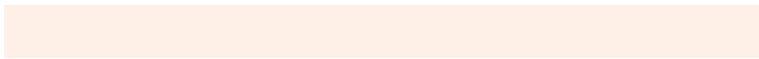
The Sweet Spot groups the original color and five complimentary colors.



88.1905, 96.8826, 89.6548



92.7950, 98.9770, 102.4928



86.7657, 89.2328, 88.2534



19.7353, 21.1276, 21.5804



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

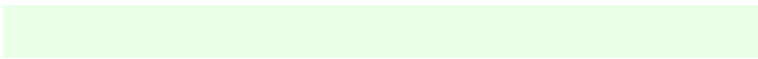
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.1905, 96.8826, 89.6548



87.0938, 96.3827, 86.6502



84.1820, 94.8162, 89.4672



18.8625, 20.7305, 19.1516



26.3666, 41.3305, 6.5879



2.6884, 4.0867, 0.6471

Inverse Universe

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



82.5620, 82.8984, 106.2572



80.5871, 80.2161, 105.8436



86.6990, 85.0311, 106.4509



17.6466, 17.7095, 22.7382



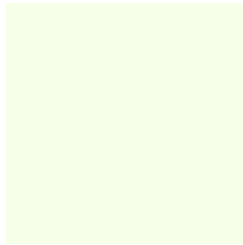
12.0829, 5.1394, 49.7898



1.2928, 0.5604, 4.8533

Previews

White Background



This preview shows how the XYZ color 88.1898, 96.8824, 89.6534 looks on a white background.

Color Contrast Check

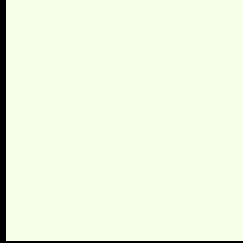
Large Text (above 18pt) WCAG AA × Fail

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 88.1898, 96.8824, 89.6534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

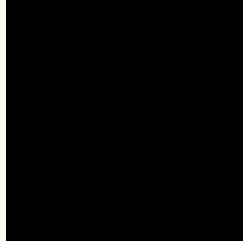
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

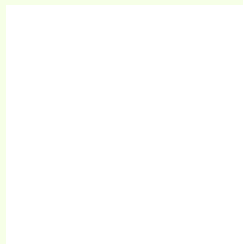
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 88.1898, 96.8824, 89.6534

Background



This preview shows how black text looks on a background with the XYZ color 88.1898, 96.8824, 89.6534.

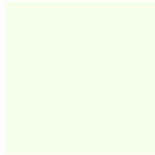


This preview shows how white text looks on a background with the XYZ color 88.1898, 96.8824,

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

88.1898, 96.8824, 89.6534

Protanopia

91.9148, 96.7254, 98.6195

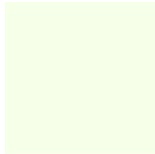
Deuteranopia

92.6809, 96.5333, 104.1905

Tritanopia

92.3308, 96.7236, 108.4109

Trichromacy



Original Color

88.1898, 96.8824, 89.6534

Protanomaly

90.5353, 96.5482, 95.5253

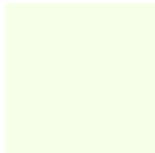
Deuteranomaly

91.1329, 96.7873, 98.6726

Tritanomaly

90.5119, 96.4144, 101.0281

Monochromacy



Original Color

88.1898, 96.8824, 89.6534

Achromatopsia

90.8653, 95.5973, 104.1055

Achromatomaly

90.0550, 96.2316, 98.6222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.1898, 96.8824, 89.6534 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(246, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 231)  
}
```

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(246, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 88.1898, 96.8824, 89.6534 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(246, 255, 231) }
```


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

```
.border{ border-color:rgb(246, 255, 231) }
```

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

Here you see how a box with a 4 pixel rgb(246, 255, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 88.1898, 96.8824, 89.6534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 231) }
```

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

```
.background{ background-color: rgb(246,  
255, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor