

Converting Colors

XYZ(81.8166, 93.0509, 88.6164)

Have a look what the booklet for
XYZ(81.8166, 93.0509, 88.6164)
contains.

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Color

**XYZ(81.7196, 93.0908,
88.5241)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FEE6
RGB	228, 254, 230
RGB Percent	89%, 100%, 90%
CMY	0.1059, 0.0039, 0.0980
CMYK	0.10, 0.00, 0.09, 0.00
HSL	125°, 93%, 95%
HSV	125°, 10%, 100%
XYZ	81.7196, 93.0908, 88.5241
YIQ	243.4900, -7.7920, -12.9760

Conversions

Conversions Part 2

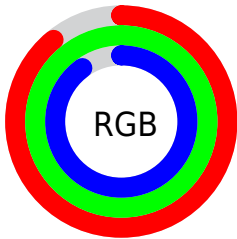
Format	Color
R _Y B	228, 252, 254
Decimal	15007462
CIE Lab	97.26, -12.76, 8.62
CIE LCh	97, 15.402, 145.975
Yxy	93.0908, 0.3103, 0.3535
Android (android.graphics.Color)	4293197542 (0xFFE4FEE6)
YUV	243.4900, -6.6506, -13.5847
Hunter-Lab	96.4836, -17.6604, 13.1397

Details

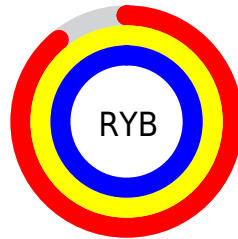
The XYZ color **81.7196, 93.0908, 88.5241** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86.1905, 83.5881, 103.6912**, and the grayscale version is **85.6398, 90.0997, 98.1186**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7174, 51.7983, 48.1987** is the 20% darker color. If you saturate the color by 10%, you get **71.1718, 88.0111, 71.9835**, and if you desaturate by 10%, it is **93.8993, 98.9659, 107.4567**.

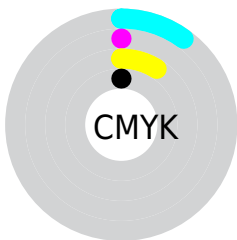
Distribution



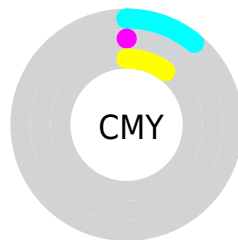
- Red (89%)
- Green (100%)
- Blue (90%)



- Red (89%)
- Yellow (99%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.7196, 93.0908, 88.5241 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 81.7196, 93.0908, 88.5241 by changing the saturation by 10% instead.

81.7196, 93.0908,
88.5241

81.7196, 93.0908,
88.5241

489.3580,
538.0347, 543.6637

61.4478, 70.5470,
66.1904

134.7186,
151.6243, 147.2041

44.8405, 51.9726,
47.9695

168.1764,
188.3828, 184.3876

31.5326, 36.9832,
33.4429

206.7603,
230.6483, 227.3580

21.1585, 25.1945,
22.1921

250.8357,
278.8052, 276.5339

13.3531, 16.2220,
13.7984

300.7677,
333.2379, 332.3339

7.7508, 9.6814,
7.8435

356.9219,

3.9864, 5.1882,

394.3307, 395.1765

3.9086

419.6635,
462.4682, 465.4803

■ 1.6944, 2.3581,
1.5753

■ 0.4528, 0.8042,
0.2731

■ 81.7196, 93.0908,
88.5241

■ 81.7196, 93.0908,
88.5241

■ 71.1718, 88.0111,
71.9835

■ 93.8993, 98.9659,
107.4567

■ 62.1793, 83.6814,
57.7341

■ 94.7337, 99.3673,
108.7946

■ 54.6707, 80.0696,
45.6766

■ 48.5661, 77.1370,
35.7023

■ 43.7780, 74.8410,
27.6932

■ 40.2090, 73.1341,
21.5195

■ 37.7485, 71.9623,
17.0357

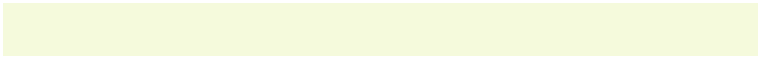
■ 36.2652, 71.2617,
14.0745

■ 35.5659, 70.9362,
12.4581

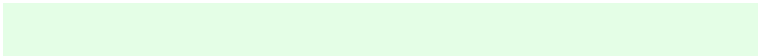
Harmonies

Analogous

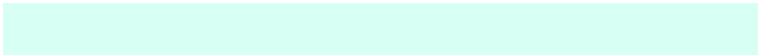
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8628, 93.0908, 81.2927



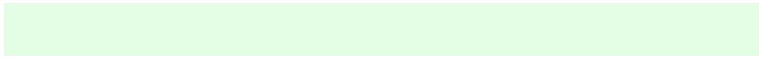
81.7196, 93.0908, 88.5241



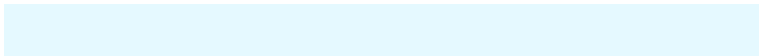
80.3868, 93.0908, 99.6860

Triad

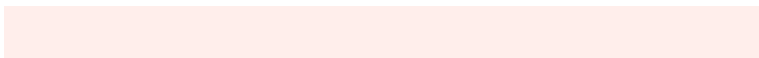
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7196, 93.0908, 88.5241



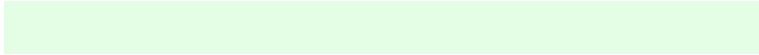
87.8935, 93.0908, 127.2148



96.2236, 93.0908, 91.2149

Complementary

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



81.7196, 93.0908, 88.5241



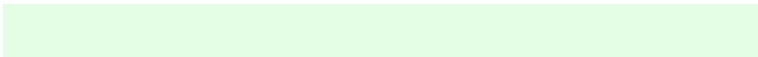
86.1905, 83.5881, 103.6912

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.



97.0990, 93.0908, 103.0527



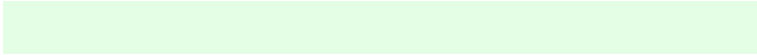
81.7196, 93.0908, 88.5241



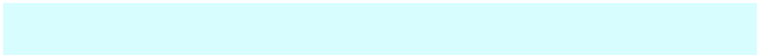
92.1985, 93.0908, 124.4847

Square

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



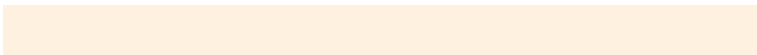
81.7196, 93.0908, 88.5241



83.8766, 93.0908, 122.5641



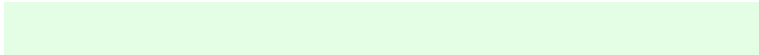
95.6034, 93.0908, 115.3804



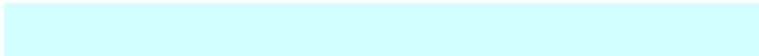
93.2489, 93.0908, 82.7545

Rectangle

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



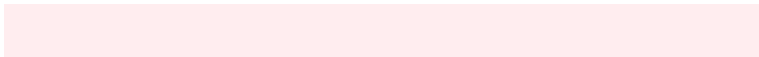
81.7196, 93.0908, 88.5241



80.6711, 93.0908, 108.1048



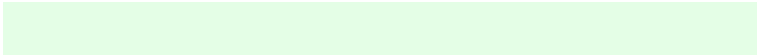
95.6034, 93.0908, 115.3804



96.7772, 93.0908, 94.9019

Sweetspot

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



81.7222, 93.0948, 88.5261



91.1751, 98.1313, 102.8927



89.6910, 97.2351, 87.4408



19.2991, 20.8999, 21.6877



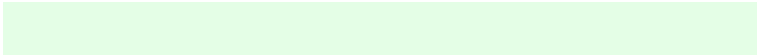
0.0000, 0.0000, 0.0000



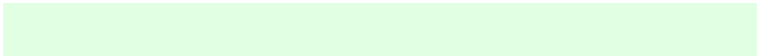
20.3446, 21.4041, 23.3091

Same Dimension

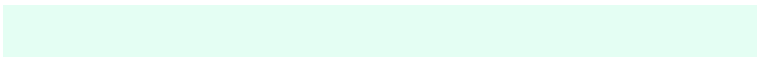
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7222, 93.0948, 88.5261



80.4558, 92.9638, 86.1985



83.5770, 93.8367, 98.2934



17.8283, 20.1908, 19.3986



18.7696, 37.4044, 6.6718



1.8462, 3.6494, 0.7479

Inverse Universe

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



86.1905, 83.5881, 103.6912



85.6765, 81.8559, 103.9172



84.2388, 82.8074, 93.4142



18.7288, 18.2748, 22.4550



29.4385, 14.2647, 42.5553



2.8836, 1.3958, 4.2342

Previews

White Background



This preview shows how the XYZ color 81.7196, 93.0908, 88.5241 looks on a white background.

Color Contrast Check

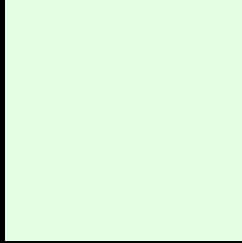
Large Text (above 18pt) WCAG AA × Fail

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 81.7196, 93.0908, 88.5241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

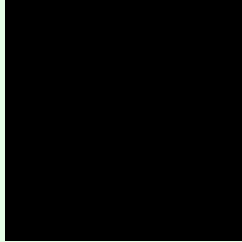
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

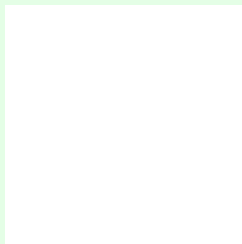
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7196, 93.0908, 88.5241

Background



This preview shows how black text looks on a background with the XYZ color 81.7196, 93.0908, 88.5241.



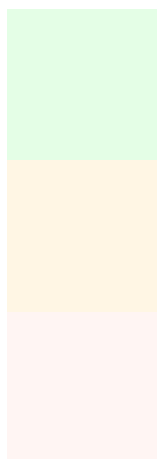
This preview shows how white text looks on a background with the XYZ color 81.7196, 93.0908,

88.5241.

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

81.7196, 93.0908, 88.5241

Protanopia

88.1994, 92.7730, 86.6572

Deuteranopia

90.0701, 93.0359, 98.0045

Tritanopia

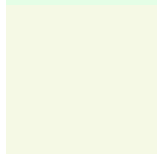
87.9287, 92.6188, 107.8506

Trichromacy



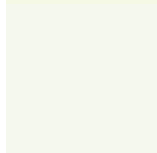
Original Color

81.7196, 93.0908, 88.5241



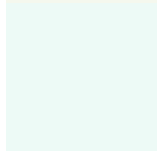
Protanomaly

85.6747, 92.8210, 87.5294



Deuteranomaly

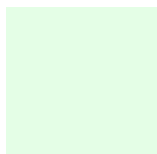
86.6562, 92.7203, 94.2185



Tritanomaly

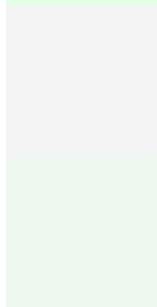
85.7452, 93.0296, 100.6260

Monochromacy



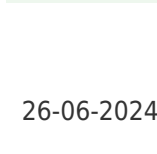
Original Color

81.7196, 93.0908, 88.5241



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.9533, 90.8717, 94.0041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7196, 93.0908, 88.5241 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(228, 254, 230)` looks like.

```
.text, #text, p{  
    color:rgb(228, 254, 230)  
}
```

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(228, 254, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 254, 230) }
```

Border

The CSS property to change the border of an element to XYZ 81.7196, 93.0908, 88.5241 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(228, 254, 230) }
```


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

```
.border{ border-color:rgb(228, 254, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 254, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 254, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 254, 230); box-shadow:4px 4px 4px 4px rgb(228, 254, 230) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7196, 93.0908, 88.5241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 254, 230) }
```

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

```
.background{ background-color: rgb(228,  
254, 230) }
```

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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