

Converting Colors

XYZ(89.7707, 100.0000,
101.1337)

Have a look what the booklet for
XYZ(89.7707, 100.0000, 101.1337)
contains.

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Color

**XYZ(88.1766, 96.6378,
100.3918)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FFF5
RGB	240, 255, 245
RGB Percent	94%, 100%, 96%
CMY	0.0588, 0.0000, 0.0392
CMYK	0.06, 0.00, 0.04, 0.00
HSL	140°, 100%, 97%
HSV	140°, 6%, 100%
XYZ	88.1766, 96.6378, 100.3918
YIQ	249.3750, -5.7300, -6.2900

Conversions

Conversions Part 2

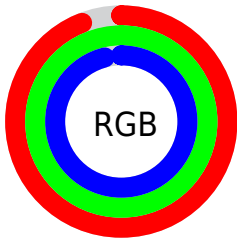
Format	Color
R_{YB}	240, 251, 255
Decimal	15794165
CIE Lab	98.69, -6.68, 3.07
CIE LCh	99, 7.355, 155.302
Yxy	96.6378, 0.3092, 0.3388
Android (android.graphics.Color)	4293984245 (0xFFFF0FFF5)
YUV	249.3750, -2.1569, -8.2219
Hunter-Lab	98.3045, -11.9231, 8.2643

Details

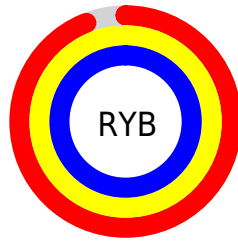
The XYZ color 88.1766, 96.6378, 100.3918 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.6559, 90.4833, 103.1820, and the grayscale version is 90.3711, 95.0774, 103.5393.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.1466, 54.2526, 56.0256 is the 20% darker color. If you saturate the color by 10%, you get 77.6422, 91.4934, 86.9689, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

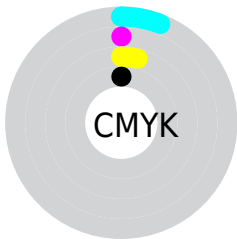
Distribution



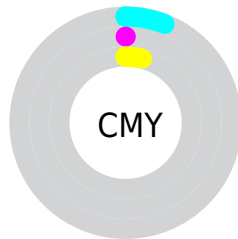
- Red (94%)
- Green (100%)
- Blue (96%)



- Red (94%)
- Yellow (98%)
- Blue (100%)



- Cyan (6%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 88.1766, 96.6378, 100.3918 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 88.1766, 96.6378, 100.3918 by changing the saturation by 10% instead.


 88.1766, 96.6378,
100.3918

 88.1766, 96.6378,
100.3918

510.4081,
549.3950, 582.7055

 66.8006, 73.4989,
76.0091


143.6943,
156.5254, 163.7521

 49.1927, 54.3840,
55.9333


178.5667,
194.0428, 203.5667

 34.9875, 38.9087,
39.7458

218.6686,
237.1218, 249.3624

 23.8197, 26.6887,
27.0281

264.3653,
286.1468, 301.5577

 15.3240, 17.3396,
17.3617

316.0223,
341.5023, 360.5711

 9.1349, 10.4769,
10.3280

374.0049,

 4.8871, 5.7163,

403.5725, 426.8212

5.5086

438.6784,
472.7420, 500.7264

■ 2.2152, 2.6733,
2.4847

■ 0.7507, 0.9637,
0.8320

■ 88.1766, 96.6378,
100.3918

■ 88.1766, 96.6378,
100.3918

■ 77.6422, 91.4934,
86.9689

95.0500, 100.0000,
108.9000

■ 68.5051, 87.0424,
74.8212

■ 60.7054, 83.2549,
63.9126

■ 54.1780, 80.0980,
54.2036

■ 48.8520, 77.5361,
45.6527

■ 44.6493, 75.5298,
38.2158

■ 41.4821, 74.0347,
31.8461

■ 39.2486, 72.9995,
26.4931

■ 37.8239, 72.3607,
22.1018

Harmonies

Analogous

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



89.5024, 96.6378, 95.9274



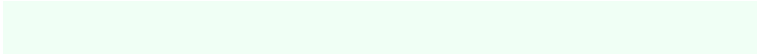
88.1766, 96.6378, 100.3918



87.8291, 96.6378, 106.3108

Triad

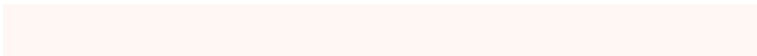
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.1766, 96.6378, 100.3918



92.2307, 96.6378, 117.3521



95.2381, 96.6378, 98.5815

Complementary

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



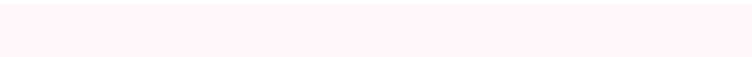
88.1766, 96.6378, 100.3918



89.6559, 90.4833, 103.1820

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.



95.9945, 96.6378, 104.1409



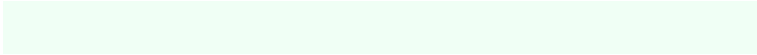
88.1766, 96.6378, 100.3918



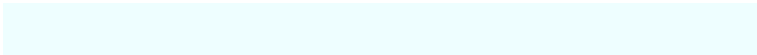
94.2410, 96.6378, 115.0987

Square

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



88.1766, 96.6378, 100.3918



90.1489, 96.6378, 116.2544



95.6268, 96.6378, 110.2050



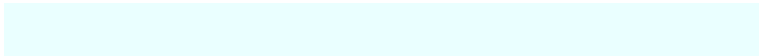
93.5751, 96.6378, 94.9109

Rectangle

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



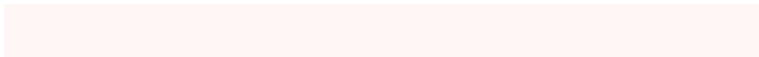
88.1766, 96.6378, 100.3918



88.1944, 96.6378, 110.3206



95.6268, 96.6378, 110.2050



95.6080, 96.6378, 100.2832

Sweetspot

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



88.1775, 96.6382, 100.3933



92.6559, 98.8285, 105.9560



90.9130, 98.1355, 96.5898



19.8573, 21.1656, 22.7099



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.



88.1775, 96.6382, 100.3933



86.9281, 96.0275, 98.8275



89.3459, 97.1056, 106.5459



18.4635, 20.4841, 20.9737



19.6040, 37.7382, 11.0657



1.9570, 3.6937, 1.3317

Inverse Universe

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



89.6559, 90.4833, 103.1820



88.6742, 88.7579, 102.1211



88.5030, 90.0222, 97.1112



18.8677, 18.8009, 21.7363



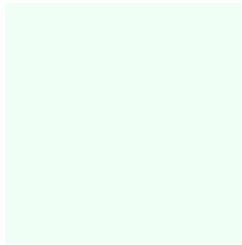
25.4116, 12.6539, 21.3498



2.5250, 1.2524, 2.3460

Previews

White Background



This preview shows how the XYZ color 88.1766, 96.6378, 100.3918 looks on a white background.

Color Contrast Check

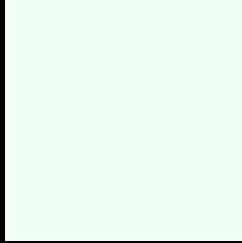
Large Text (above 18pt) WCAG AA × Fail

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 88.1766, 96.6378, 100.3918 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

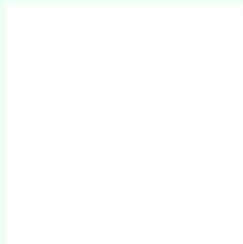
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 88.1766, 96.6378, 100.3918

Background



This preview shows how black text looks on a background with the XYZ color 88.1766, 96.6378, 100.3918.



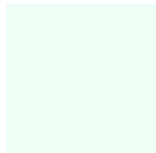
This preview shows how white text looks on a background with the XYZ color 88.1766, 96.6378,

100.3918.

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

88.1766, 96.6378, 100.3918



Protanopia

92.0602, 96.2850, 100.9216

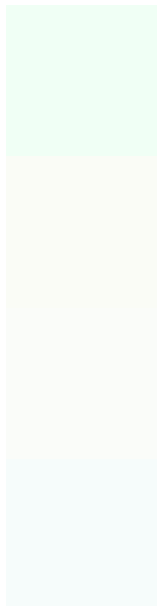
Deuteranopia

92.8382, 96.5962, 105.0186

Tritanopia

91.9715, 96.5384, 108.3941

Trichromacy



Original Color

88.1766, 96.6378, 100.3918

Protanomaly

90.8693, 96.5986, 101.0449

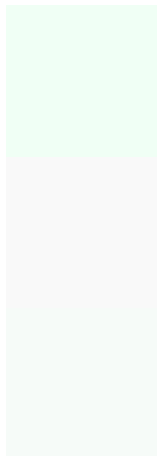
Deuteranomaly

91.3336, 96.7844, 103.4900

Tritanomaly

90.2290, 96.1787, 105.0755

Monochromacy



Original Color

88.1766, 96.6378, 100.3918

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.4465, 95.3645, 102.4998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.1766, 96.6378, 100.3918 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(240, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 245)  
}
```

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(240, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 245) }
```

Border

The CSS property to change the border of an element to XYZ 88.1766, 96.6378, 100.3918 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(240, 255, 245) }
```


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

```
.border{ border-color:rgb(240, 255, 245) }
```

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

Here you see how a box with a 4 pixel rgb(240, 255, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 88.1766, 96.6378, 100.3918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 245) }
```

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

```
.background{ background-color: rgb(240,  
255, 245) }
```

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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