

Converting Colors

XYZ(89.9211, 100.0000,
103.6434)

Have a look what the booklet for
XYZ(89.9211, 100.0000, 103.6434)
contains.

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Color

**XYZ(88.2999, 96.6480,
102.8080)**

Conversions

Conversions Part 1

Format	Color
Hex	EFFFF8
RGB	239, 255, 248
RGB Percent	94%, 100%, 97%
CMY	0.0627, 0.0000, 0.0274
CMYK	0.06, 0.00, 0.03, 0.00
HSL	154°, 100%, 97%
HSV	154°, 6%, 100%
XYZ	88.2999, 96.6480, 102.8080
YIQ	249.4180, -7.2890, -5.5690

Conversions

Conversions Part 2

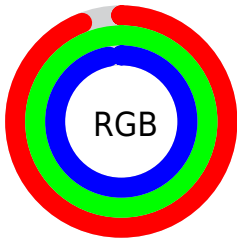
Format	Color
R _Y B	239, 249, 255
Decimal	15728632
CIE Lab	98.69, -6.47, 1.53
CIE LCh	99, 6.651, 166.693
Yxy	96.6480, 0.3069, 0.3359
Android (android.graphics.Color)	4293918712 (0xFFEFFFF8)
YUV	249.4180, -0.6991, -9.1366
Hunter-Lab	98.3097, -11.7167, 6.8139

Details

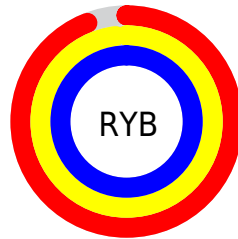
The XYZ color 88.2999, 96.6480, 102.8080 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.7416, 89.6479, 99.8154, and the grayscale version is 90.3958, 95.1034, 103.5676.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.2370, 54.2612, 57.7476 is the 20% darker color. If you saturate the color by 10%, you get 78.6101, 91.8468, 93.5888, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

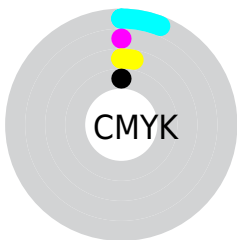
Distribution



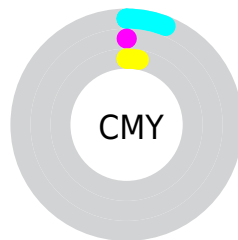
- Red (94%)
- Green (100%)
- Blue (97%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 88.2999, 96.6480, 102.8080 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 88.2999, 96.6480, 102.8080 by changing the saturation by 10% instead.


 88.2999, 96.6480,
102.8080

 88.2999, 96.6480,
102.8080


510.8056,
549.4275, 590.4817

 66.9031, 73.5074,
78.0178

143.8650,
156.5394, 167.0961

 49.2763, 54.3909,
57.5720


178.7640,
194.0590, 207.4311

 35.0541, 38.9143,
41.0523


218.8944,
237.1404, 253.7847

 23.8713, 26.6931,
28.0399

264.6216,
286.1679, 306.5756

 15.3624, 17.3428,
18.1165

316.3110,
341.5260, 366.2221

 9.1621, 10.4792,
10.8633

374.3279,

 4.9050, 5.7178,

403.5990, 433.1430

5.8620

439.0376,
472.7714, 507.7567

■ 2.2258, 2.6743,
2.6939

■ 0.7563, 0.9641,
0.9404

■ 88.2999, 96.6480,
102.8080

■ 88.2999, 96.6480,
102.8080

■ 78.6101, 91.8468,
93.5888

95.0500, 100.0000,
108.9000

■ 70.1848, 87.6857,
84.9565

■ 62.9689, 84.1366,
76.9003

■ 56.9021, 81.1686,
69.4078

■ 51.9187, 78.7481,
62.4657

■ 47.9460, 76.8378,
56.0601

■ 44.9020, 75.3956,
50.1765

■ 42.6908, 74.3724,
44.7993

■ 41.1934, 73.7071,
39.9113

Harmonies

Analogous

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



89.1893, 96.6480, 98.1166



88.2999, 96.6480, 102.8080



88.3551, 96.6480, 108.3129

Triad

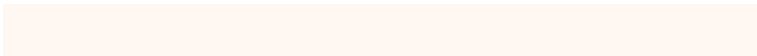
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.2999, 96.6480, 102.8080



92.9301, 96.6480, 115.7356



94.4277, 96.6480, 97.6938

Complementary

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



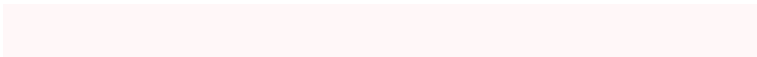
88.2999, 96.6480, 102.8080



88.7416, 89.6479, 99.8154

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.



95.4585, 96.6480, 102.2125



88.2999, 96.6480, 102.8080



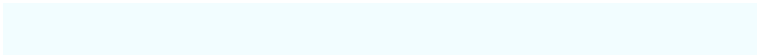
94.5856, 96.6480, 112.6860

Square

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



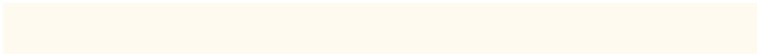
88.2999, 96.6480, 102.8080



91.0103, 96.6480, 115.9087



95.5166, 96.6480, 107.6963



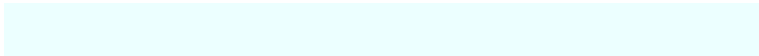
92.7171, 96.6480, 95.2343

Rectangle

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



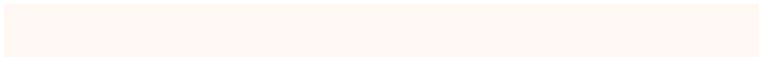
88.2999, 96.6480, 102.8080



88.9199, 96.6480, 111.7065



95.5166, 96.6480, 107.6963



94.8662, 96.6480, 99.0150

Sweetspot

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



88.3008, 96.6485, 102.8095



92.8414, 98.9027, 106.9326



89.4169, 97.3813, 95.7465



19.8950, 21.1807, 22.9087



0.0000, 0.0000, 0.0000



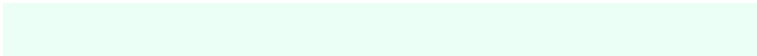
20.3446, 21.4041, 23.3091

Same Dimension

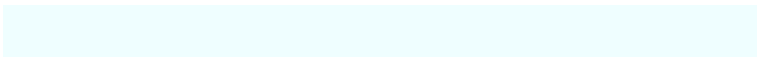
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.3008, 96.6485, 102.8095



86.5353, 95.7727, 101.1753



89.1526, 96.5817, 108.5510



18.1996, 20.3394, 21.3539



21.3704, 38.4447, 20.3676



2.1357, 3.7652, 2.2723

Inverse Universe

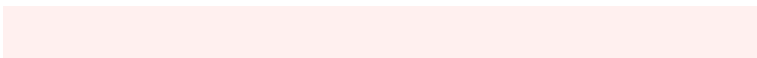
The Inverse Universe completely reimagines the original color for something new.



88.7416, 89.6479, 99.8154



87.0908, 86.9506, 97.4022



87.9220, 89.6957, 94.3418



18.3394, 18.1191, 20.4044



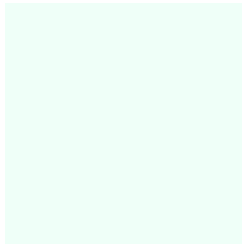
23.1357, 11.7436, 9.3651



2.3064, 1.1649, 1.1948

Previews

White Background



This preview shows how the XYZ color 88.2999, 96.6480, 102.8080 looks on a white background.

Color Contrast Check

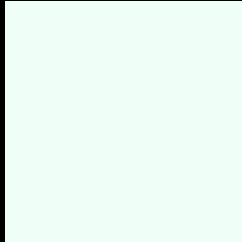
Large Text (above 18pt) WCAG AA × Fail

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 88.2999, 96.6480, 102.8080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

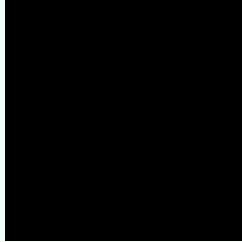
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 88.2999, 96.6480, 102.8080

Background



This preview shows how black text looks on a background with the XYZ color 88.2999, 96.6480, 102.8080.



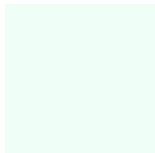
This preview shows how white text looks on a background with the XYZ color 88.2999, 96.6480,

102.8080.

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

88.2999, 96.6480, 102.8080



Protanopia

92.2141, 96.3466, 101.7322

Deuteranopia

92.8382, 96.5962, 105.0186

Tritanopia

91.9715, 96.5384, 108.3941

Trichromacy



Original Color

88.2999, 96.6480, 102.8080

Protanomaly

90.6658, 96.4759, 101.8388

Deuteranomaly

91.1326, 96.6627, 104.2970

Tritanomaly

90.3871, 96.2419, 105.9081

Monochromacy



Original Color

88.2999, 96.6480, 102.8080

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.2523, 95.2464, 103.3028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.2999, 96.6480, 102.8080 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(239, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 248)  
}
```

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(239, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 248) }
```

Border

The CSS property to change the border of an element to XYZ 88.2999, 96.6480, 102.8080 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(239, 255, 248) }
```


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

```
.border{ border-color:rgb(239, 255, 248) }
```

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

Here you see how a box with a 4 pixel rgb(239, 255, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 88.2999, 96.6480, 102.8080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 248) }
```

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

```
.background{ background-color: rgb(239,  
255, 248) }
```

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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