

Converting Colors

XYZ(89.7981, 100.0000,
107.6642)

Have a look what the booklet for
XYZ(89.7981, 100.0000, 107.6642)
contains.

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Color

**XYZ(88.0817, 96.4447,
106.9018)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFFD
RGB	236, 255, 253
RGB Percent	93%, 100%, 99%
CMY	0.0745, 0.0000, 0.0078
CMYK	0.07, 0.00, 0.01, 0.00
HSL	174°, 100%, 96%
HSV	174°, 7%, 100%
XYZ	88.0817, 96.4447, 106.9018
YIQ	249.0910, -10.6820, -4.6500

Conversions

Conversions Part 2

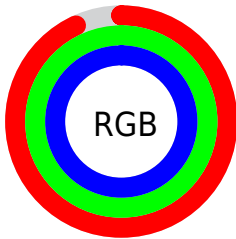
Format	Color
R_{YB}	236, 246, 255
Decimal	15532029
CIE _{Lab}	98.61, -6.53, -1.18
CIE _{LCh}	99, 6.633, 190.233
Y _{xy}	96.4447, 0.3022, 0.3309
Android (android.graphics.Color)	4293722109 (0xFFE0FFFD)
YUV	249.0910, 1.9271, -11.4808
Hunter-Lab	98.2063, -11.7634, 4.2046

Details

The XYZ color **88.0817, 96.4447, 106.9018** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.6687, 87.4251, 93.1959**, and the grayscale version is **90.1079, 94.8005, 103.2378**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9803, 54.0770, 60.0809** is the 20% darker color. If you saturate the color by 10%, you get **79.7870, 92.2176, 104.3001**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

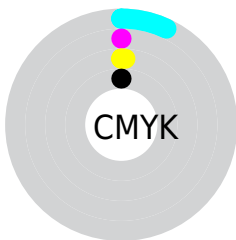
Distribution



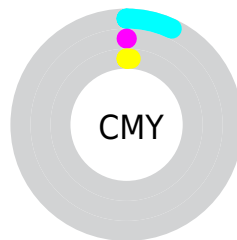
- Red (93%)
- Green (100%)
- Blue (99%)



- Red (93%)
- Yellow (96%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 88.0817, 96.4447, 106.9018 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 88.0817, 96.4447, 106.9018 by changing the saturation by 10% instead.


 88.0817, 96.4447,
106.9018

 88.0817, 96.4447,
106.9018


510.1021,
548.7798, 603.5357

 66.7217, 73.3380,
81.4280


143.5628,
156.2590, 172.7443

 49.1284, 54.2524,
60.3611


178.4147,
193.7354, 213.9500

 34.9363, 38.8035,
43.2826


218.4947,
236.7705, 261.2368

 23.7801, 26.6069,
29.7738

264.1680,
285.7486, 315.0232

 15.2944, 17.2782,
19.4164

315.8000,
341.0542, 375.7278

 9.1139, 10.4330,
11.7917

373.7562,

 4.8733, 5.6870,

403.0717, 443.7690

6.4812

438.4017,
472.1854, 519.5655

■ 2.2071, 2.6557,
3.0663

■ 0.7465, 0.9548,
1.1286

■ 88.0817, 96.4447,
106.9018

■ 88.0817, 96.4447,
106.9018

■ 79.7870, 92.2176,
104.3001

95.0500, 100.0000,
108.9000

■ 72.6552, 88.5894,
101.7826

■ 66.6325, 85.5322,
99.3481

■ 61.6600, 83.0157,
96.9937

■ 57.6731, 81.0067,
94.7163

■ 54.6003, 79.4682,
92.5124

■ 52.3601, 78.3583,
90.3781

■ 50.8567, 77.6275,
88.3087

■ 49.9651, 77.2114,
86.2983

Harmonies

Analogous

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



88.2365, 96.4447, 101.4757



88.0817, 96.4447, 106.9018



88.8775, 96.4447, 111.9917

Triad

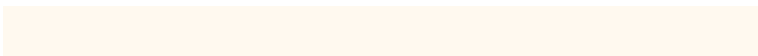
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.0817, 96.4447, 106.9018



94.0736, 96.4447, 113.2941



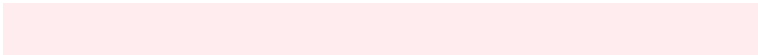
92.9223, 96.4447, 95.3707

Complementary

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



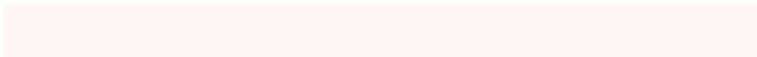
88.0817, 96.4447, 106.9018



86.6687, 87.4251, 93.1959

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.



94.5158, 96.4447, 98.3283



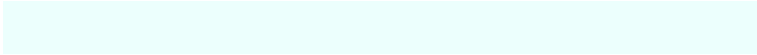
88.0817, 96.4447, 106.9018



95.1869, 96.4447, 108.6293

Square

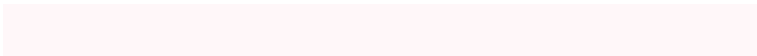
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



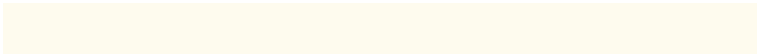
88.0817, 96.4447, 106.9018



92.3253, 96.4447, 115.7667



95.3499, 96.4447, 103.1444



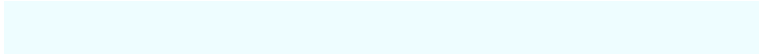
91.0134, 96.4447, 94.9447

Rectangle

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



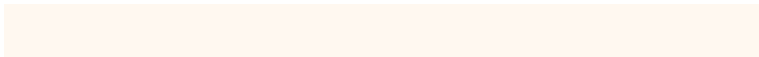
88.0817, 96.4447, 106.9018



89.8467, 96.4447, 114.4620



95.3499, 96.4447, 103.1444



93.5134, 96.4447, 96.0968

Sweetspot

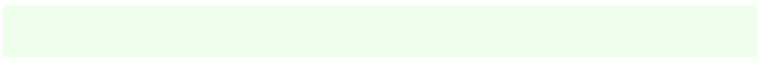
The Sweet Spot groups the original color and five complimentary colors.



88.0826, 96.4452, 106.9033



93.1123, 99.0110, 108.3591



86.2339, 95.7912, 93.3030



19.9502, 21.2028, 23.1990



0.0000, 0.0000, 0.0000



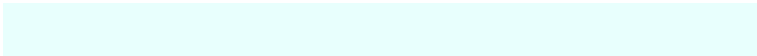
20.3446, 21.4041, 23.3091

Same Dimension

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



88.0826, 96.4452, 106.9033



86.7187, 95.7497, 106.4942



86.1233, 92.0144, 107.8291



18.4677, 20.4466, 22.7657



26.0489, 40.3161, 45.0041



2.5590, 3.9345, 4.5013

Inverse Universe

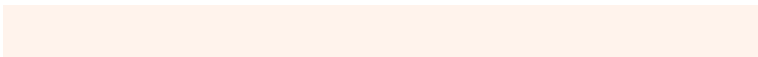
The Inverse Universe completely reimagines the original color for something new.



86.6687, 87.4251, 93.1959



85.0287, 84.9686, 90.1109



88.5164, 91.5879, 92.3713



18.0870, 18.0181, 19.0753



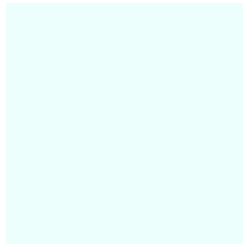
21.6761, 11.1597, 1.6788



2.1349, 1.0963, 0.2916

Previews

White Background



This preview shows how the XYZ color 88.0817, 96.4447, 106.9018 looks on a white background.

Color Contrast Check

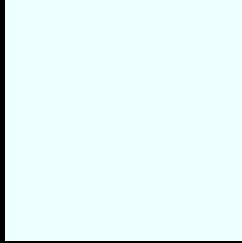
Large Text (above 18pt) WCAG AA × Fail

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 88.0817, 96.4447, 106.9018 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 88.0817, 96.4447, 106.9018

Background



This preview shows how black text looks on a background with the XYZ color 88.0817, 96.4447, 106.9018.

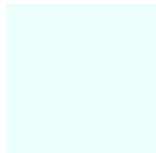


This preview shows how white text looks on a background with the XYZ color 88.0817, 96.4447,

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

88.0817, 96.4447, 106.9018



Protanopia

92.6809, 96.5333, 104.1905

Deuteranopia

92.6864, 96.0396, 105.7479

Tritanopia

91.6141, 96.3541, 108.3774

Trichromacy



Original Color

88.0817, 96.4447, 106.9018

Protanomaly

90.9344, 96.5423, 105.1086

Deuteranomaly

90.7793, 95.9791, 105.8367

Tritanomaly

90.0080, 96.0097, 107.5537

Monochromacy



Original Color

88.0817, 96.4447, 106.9018

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.0607, 95.1296, 104.1103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.0817, 96.4447, 106.9018 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(236, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 253)  
}
```

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(236, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 253) }
```

Border

The CSS property to change the border of an element to XYZ 88.0817, 96.4447, 106.9018 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(236, 255, 253) }
```


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

```
.border{ border-color:rgb(236, 255, 253) }
```

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

Here you see how a box with a 4 pixel rgb(236, 255, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 88.0817, 96.4447, 106.9018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 253) }
```

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

```
.background{ background-color: rgb(236,  
255, 253) }
```

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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