

# Converting Colors

XYZ(87.9210, 96.4417,  
103.2885)

Have a look what the booklet for  
XYZ(87.9210, 96.4417, 103.2885)  
contains.

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# **Color**

**XYZ(88.1188, 96.5367,  
103.6116)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEFFF9
RGB	238, 255, 249
RGB Percent	93%, 100%, 98%
CMY	0.0667, 0.0000, 0.0235
CMYK	0.07, 0.00, 0.02, 0.00
HSL	159°, 100%, 97%
HSV	159°, 7%, 100%
XYZ	88.1188, 96.5367, 103.6116
YIQ	249.2330, -8.2060, -5.4700

# Conversions

## Conversions Part 2

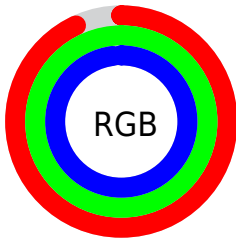
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 248, 255
Decimal	15663097
CIE Lab	98.65, -6.62, 0.95
CIE LCh	99, 6.684, 171.871
Yxy	96.5367, 0.3057, 0.3349
Android (android.graphics.Color)	4293853177 (0xFFEEFF9)
YUV	249.2330, -0.1149, -9.8513
Hunter-Lab	98.2531, -11.8542, 6.2536

# Details

The XYZ color 88.1188, 96.5367, 103.6116 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.1443, 88.9419, 98.1099, and the grayscale version is 90.2394, 94.9389, 103.3885.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.1111, 54.1835, 58.3221 is the 20% darker color. If you saturate the color by 10%, you get 78.7850, 91.8832, 96.0236, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

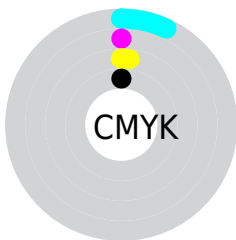
# Distribution



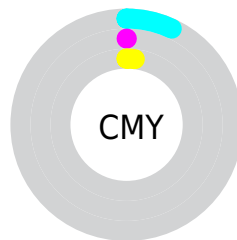
- Red (93%)
- Green (100%)
- Blue (98%)



- Red (93%)
- Yellow (97%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.1188, 96.5367, 103.6116 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 88.1188, 96.5367, 103.6116 by changing the saturation by 10% instead.



88.1188, 96.5367,  
103.6116

88.1188, 96.5367,  
103.6116

510.2218,  
549.0729, 593.0561

66.7526, 73.4146,  
78.6865

143.6142,  
156.3859, 168.2066

49.1535, 54.3151,  
58.1183

178.4741,  
193.8818, 208.7135

34.9563, 38.8536,  
41.4884

218.5626,  
236.9379, 255.2515

23.7956, 26.6459,  
28.3784

264.2451,  
285.9384, 308.2391

15.3060, 17.3074,  
18.3695

315.8869,  
341.2677, 368.0948

9.1221, 10.4539,  
11.0435

373.8534,

4.8787, 5.7010,

403.3103, 435.2372

5.9815

438.5099,  
472.4506, 510.0848

■ 2.2103, 2.6641,  
2.7652

■ 0.7481, 0.9590,  
0.9761

■ 88.1188, 96.5367,  
103.6116

■ 88.1188, 96.5367,  
103.6116

■ 78.7850, 91.8832,  
96.0236

95.0500, 100.0000,  
108.9000

■ 70.6785, 87.8548,  
88.8376

■ 63.7450, 84.4236,  
82.0476

■ 57.9250, 81.5589,  
75.6459

■ 53.1533, 79.2274,  
69.6240

■ 49.3581, 77.3920,  
63.9734

■ 46.4579, 76.0110,  
58.6848

■ 44.3571, 75.0350,  
53.7482

■ 42.9359, 74.4026,  
49.1521

# Harmonies

## Analogous

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



88.8577, 96.5367, 98.6653



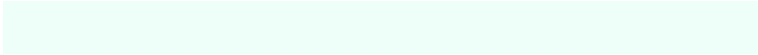
88.1188, 96.5367, 103.6116



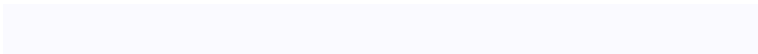
88.3434, 96.5367, 109.1342

# Triad

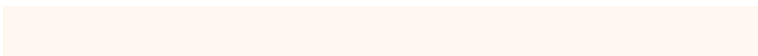
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.1188, 96.5367, 103.6116



93.1491, 96.5367, 115.3207



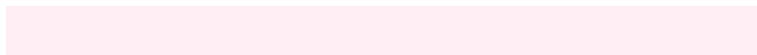
94.0732, 96.5367, 96.9459

# Complementary

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



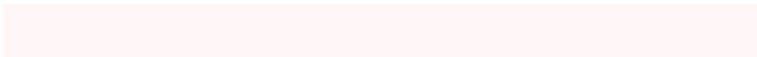
88.1188, 96.5367, 103.6116



88.1443, 88.9419, 98.1099

# 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.



95.2538, 96.5367, 101.1900



88.1188, 96.5367, 103.6116



94.7151, 96.5367, 111.8337

# Square

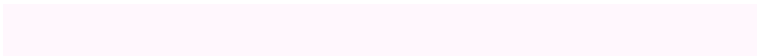
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



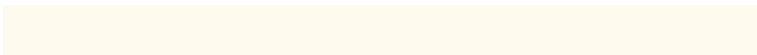
88.1188, 96.5367, 103.6116



91.2298, 96.5367, 116.0245



95.4904, 96.5367, 106.6269



92.2827, 96.5367, 94.9062

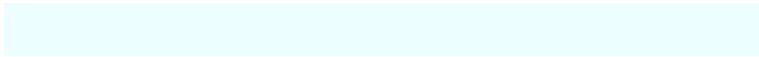


# Rectangle

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



88.1188, 96.5367, 103.6116



89.0108, 96.5367, 112.3905



95.4904, 96.5367, 106.6269



94.5556, 96.5367, 98.1548

# Sweetspot

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



88.1197, 96.5371, 103.6131



92.9101, 98.9301, 107.2945



88.5826, 96.9682, 94.9383



19.9090, 21.1863, 22.9824



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

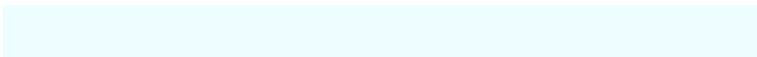
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.1197, 96.5371, 103.6131



86.8015, 95.8791, 102.5770



88.3518, 95.4799, 108.3806



18.2667, 20.3662, 21.7075



22.3084, 38.8200, 25.3073



2.2240, 3.8005, 2.7375



# Inverse Universe

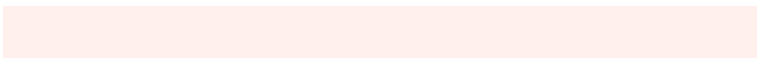
The Inverse Universe completely reimagines the original color for something new.



88.1443, 88.9419, 98.1099



86.8307, 86.8466, 96.0325



87.9120, 89.9114, 93.6116



18.2741, 18.0929, 20.0605



22.5766, 11.5199, 6.4209

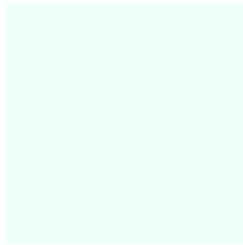


2.2478, 1.1415, 0.8862



# Previews

## White Background



This preview shows how the XYZ color 88.1188, 96.5367, 103.6116 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

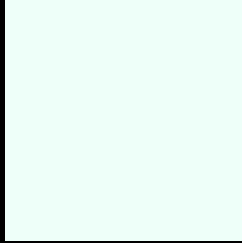
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.1188, 96.5367, 103.6116 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

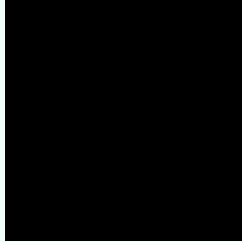
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 88.1188, 96.5367, 103.6116

## Background



This preview shows how black text looks on a background with the XYZ color 88.1188, 96.5367, 103.6116.



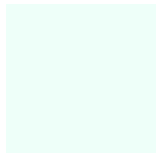
This preview shows how white text looks on a background with the XYZ color 88.1188, 96.5367,



# 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

88.1188, 96.5367, 103.6116

### Protanopia

92.2141, 96.3466, 101.7322

### Deuteranopia

92.8382, 96.5962, 105.0186

## **Tritanopia**

91.6141, 96.3541, 108.3774

# Trichromacy



**Original Color**

88.1188, 96.5367, 103.6116

**Protanomaly**

90.8206, 96.5379, 102.6538

**Deuteranomaly**

91.1326, 96.6627, 104.2970

**Tritanomaly**

90.1962, 96.1251, 106.7287

# Monochromacy



**Original Color**

88.1188, 96.5367, 103.6116

**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 88.1188, 96.5367, 103.6116 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(238, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 249)  
}
```

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(238, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 88.1188, 96.5367, 103.6116 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(238, 255, 249) }
```



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

```
.border{ border-color:rgb(238, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.1188, 96.5367, 103.6116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 249) }
```

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

```
.background{ background-color: rgb(238,  
255, 249) }
```

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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