

# Converting Colors

XYZ(97.8254, 100.0000,  
159.7779)

Have a look what the booklet for  
XYZ(97.8254, 100.0000, 159.7779)  
contains.

|  |    |
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# Color

**XYZ(88.0839, 95.9365,  
108.4828)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | ECFEFF                      |
| RGB         | 236, 254, 255               |
| RGB Percent | 93%, 100%, 100%             |
| CMY         | 0.0745, 0.0039, 0.0000      |
| CMYK        | 0.07, 0.00, 0.00, 0.00      |
| HSL         | 183°, 100%, 96%             |
| HSV         | 183°, 7%, 100%              |
| XYZ         | 88.0839, 95.9365, 108.4828  |
| YIQ         | 248.7320, -11.0490, -3.5050 |

# Conversions

## Conversions Part 2

| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 236, 245, 255                 |
| Decimal                             | 15531775                      |
| CIE Lab                             | 98.41, -5.65, -2.50           |
| CIE LCh                             | 98, 6.183, 203.862            |
| Yxy                                 | 95.9365, 0.3011,<br>0.3280    |
| Android<br>(android.graphics.Color) | 4293721855<br>(0xFFECEEFF)    |
| YUV                                 | 248.7320, 3.0901,<br>-11.1660 |
| Hunter-Lab                          | 97.9472, -10.8825,<br>2.8955  |

# Details

The XYZ color **88.0839, 95.9365, 108.4828** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.6638, 87.8825, 91.7538**, and the grayscale version is **89.8067, 94.4836, 102.8926**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9817, 53.7130, 61.2121** is the 20% darker color. If you saturate the color by 10%, you get **79.7930, 91.0385, 107.9744**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



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



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



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




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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.0839, 95.9365, 108.4828 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 88.0839, 95.9365, 108.4828 by changing the saturation by 10% instead.




 88.0839, 95.9365,  
108.4828

 88.0839, 95.9365,  
108.4828


510.1092,  
547.1588, 608.5377

 66.7236, 72.9147,  
82.7472


143.5659,  
155.5578, 174.9198

 49.1299, 53.9062,  
61.4423


178.4183,  
192.9260, 216.4583

 34.9375, 38.5267,  
44.1493


218.4987,  
235.8452, 264.1015

 23.7810, 26.3917,  
30.4499

264.1725,  
284.6997, 318.2681

 15.2951, 17.1169,  
19.9253

315.8052,  
339.8739, 379.3764

 9.1144, 10.3179,  
12.1573

373.7619,

 4.8736, 5.6102,

401.7522, 447.8451

6.7270

438.4082,  
470.7190, 524.0927

■ 2.2073, 2.6096,  
3.2161

■ 0.7466, 0.9315,  
1.2060

■ 88.0839, 95.9365,  
108.4828

■ 88.0839, 95.9365,  
108.4828

■ 79.7930, 91.0385,  
107.9744

95.0500, 100.0000,  
108.9000

■ 72.6604, 86.7392,  
107.5205

■ 66.6340, 83.0146,  
107.1192

■ 61.6547, 79.8342,  
106.7677

■ 57.6581, 77.1647,  
106.4631

■ 54.5725, 74.9692,  
106.2020

■ 52.3167, 73.2058,  
105.9805

■ 50.7947, 71.8250,  
105.7942

■ 49.8817, 70.7625,  
105.6372

# Harmonies

## Analogous

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



87.8169, 95.9365, 103.4117



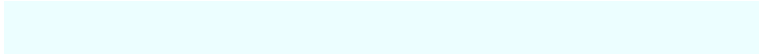
88.0839, 95.9365, 108.4828



89.1770, 95.9365, 112.5940

# Triad

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



88.0839, 95.9365, 108.4828



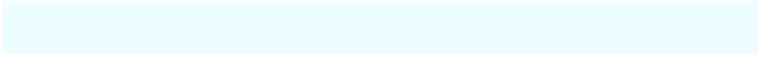
93.9829, 95.9365, 110.3592



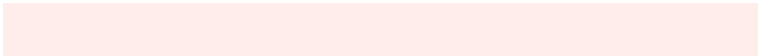
91.5520, 95.9365, 94.9932

# Complementary

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



88.0839, 95.9365, 108.4828



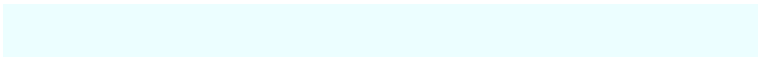
86.6638, 87.8825, 91.7538

# 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.



93.2225, 95.9365, 96.7247



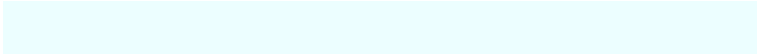
88.0839, 95.9365, 108.4828



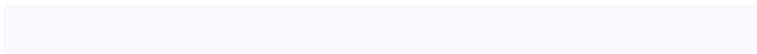
94.6377, 95.9365, 105.5124

# Square

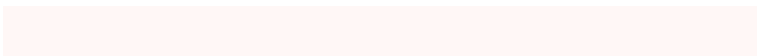
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.0839, 95.9365, 108.4828



92.5793, 95.9365, 113.7018



94.3576, 95.9365, 100.5351

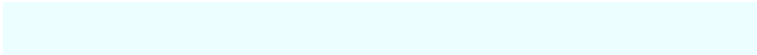


89.8043, 95.9365, 95.7303

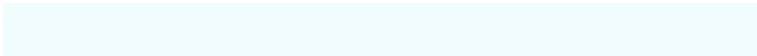


# Rectangle

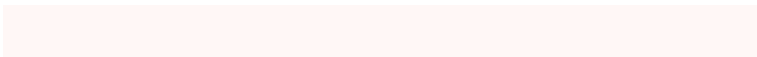
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.0839, 95.9365, 108.4828



90.2347, 95.9365, 114.1813



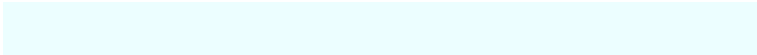
94.3576, 95.9365, 100.5351



92.1414, 95.9365, 95.3040

# Sweetspot

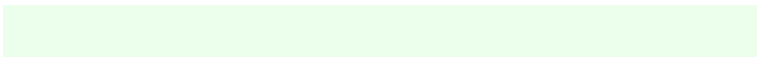
The Sweet Spot groups the original color and five complimentary colors.



88.0864, 95.9404, 108.4835



93.1134, 98.8753, 108.7850



85.6318, 95.4648, 93.9973



19.9504, 21.1752, 23.2857



0.0000, 0.0000, 0.0000

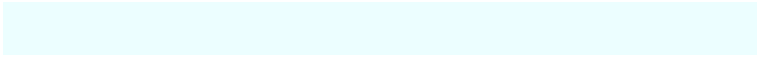


20.3446, 21.4041, 23.3091

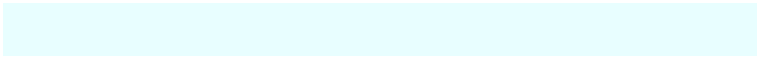


# Same Dimension

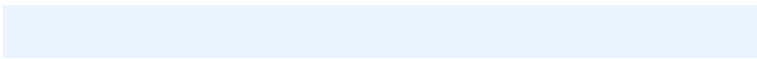
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.0864, 95.9404, 108.4835



86.7229, 95.1402, 108.4008



85.1595, 90.0868, 107.5078



18.4686, 20.3088, 23.1965



26.0042, 36.9181, 55.1899



2.5559, 3.6425, 5.3816



# Inverse Universe

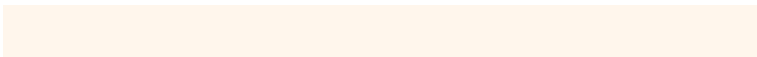
The Inverse Universe completely reimagines the original color for something new.



89.1264, 88.4082, 106.1377



87.9679, 86.1443, 105.5882



89.4737, 93.5024, 92.6905



18.7492, 18.2830, 22.5623



29.9139, 14.4549, 45.0588

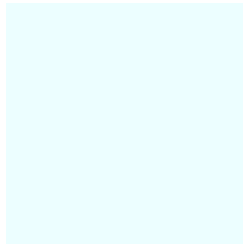


2.9247, 1.4123, 4.4509



# Previews

## White Background



This preview shows how the XYZ color 88.0839, 95.9365, 108.4828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

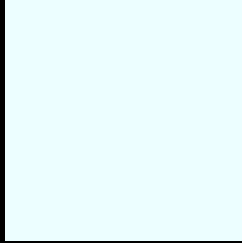
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.0839, 95.9365, 108.4828 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

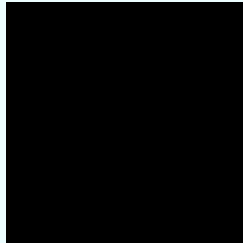
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 88.0839, 95.9365, 108.4828

## Background



This preview shows how black text looks on a background with the XYZ color 88.0839, 95.9365, 108.4828.



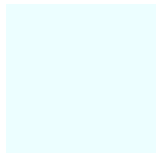
This preview shows how white text looks on a background with the XYZ color 88.0839, 95.9365,



# 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

88.0839, 95.9365, 108.4828



### Protanopia

92.3194, 95.8505, 105.7307

### Deuteranopia

92.6864, 96.0396, 105.7479

## **Tritanopia**

90.9470, 95.5477, 108.2569

# Trichromacy

A vertical bar on the left side of the Trichromacy section, divided into four horizontal segments of different colors: cyan, light blue, light green, and light yellow.

**Original Color**

88.0839, 95.9365, 108.4828

**Protanomaly**

90.5846, 95.8604, 106.6571

**Deuteranomaly**

90.9382, 96.0427, 106.6736

**Tritanomaly**

89.8554, 95.4475, 108.2951

# Monochromacy

A vertical bar on the left side of the Monochromacy section, divided into three horizontal segments of different colors: cyan, light blue, and light yellow.

**Original Color**

88.0839, 95.9365, 108.4828

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

89.2180, 95.1925, 104.9385

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.0839, 95.9365, 108.4828 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, 254, 255) looks like.

```
.text, #text, p{  
    color:rgb(236, 254, 255)  
}
```

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, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 254, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 88.0839, 95.9365, 108.4828 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, 254, 255) }
```



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

```
.border{ border-color:rgb(236, 254, 255) }
```

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

Here you see how a box with a 4 pixel rgb(236, 254, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.0839, 95.9365, 108.4828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 254, 255) }
```

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

```
.background{ background-color: rgb(236,  
254, 255) }
```

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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