

# Converting Colors

XYZ(97.6800, 100.0000,  
157.0009)

Have a look what the booklet for  
XYZ(97.6800, 100.0000, 157.0009)  
contains.

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# **Color**

**XYZ(88.4169, 96.1081,  
108.4984)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFEFF
RGB	237, 254, 255
RGB Percent	93%, 100%, 100%
CMY	0.0706, 0.0039, 0.0000
CMYK	0.07, 0.00, 0.00, 0.00
HSL	183°, 100%, 96%
HSV	183°, 7%, 100%
XYZ	88.4169, 96.1081, 108.4984
YIQ	249.0310, -10.4530, -3.2930

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 246, 255
Decimal	15597311
CIE Lab	98.48, -5.33, -2.39
CIE LCh	98, 5.847, 204.161
Yxy	96.1081, 0.3017, 0.3280
Android (android.graphics.Color)	4293787391 (0xFFEDFEFF)
YUV	249.0310, 2.9427, -10.5512
Hunter-Lab	98.0347, -10.5728, 3.0060

# Details

The XYZ color 88.4169, 96.1081, 108.4984 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.1000, 88.5217, 92.6182, and the grayscale version is 90.0529, 94.7427, 103.1748.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.2154, 53.8335, 61.2231 is the 20% darker color. If you saturate the color by 10%, you get 80.0561, 91.1393, 107.9800, 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 88.4169, 96.1081, 108.4984 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 88.4169, 96.1081, 108.4984 by changing the saturation by 10% instead.




 88.4169, 96.1081,  
108.4984

 88.4169, 96.1081,  
108.4984


511.1825,  
547.7064, 608.5870

 67.0003, 73.0576,  
82.7603


144.0270,  
155.7946, 174.9412

 49.3556, 54.0231,  
61.4529


178.9512,  
193.1994, 216.4830

 35.1173, 38.6201,  
44.1579


219.1087,  
236.1577, 264.1298

 23.9202, 26.4643,  
30.4565

264.8648,  
285.0540, 318.3000

 15.3989, 17.1713,  
19.9304

316.5849,  
340.2726, 379.4124

 9.1879, 10.3567,  
12.1609

374.6343,

 4.9221, 5.6361,

402.1979, 447.8852

6.7295

439.3784,  
471.2144, 524.1373

■ 2.2359, 2.6251,  
3.2176

■ 0.7616, 0.9393,  
1.2068

■ 88.4169, 96.1081,  
108.4984

■ 88.4169, 96.1081,  
108.4984

■ 80.0561, 91.1393,  
107.9800

95.0500, 100.0000,  
108.9000

■ 72.8560, 86.7710,  
107.5163

■ 66.7646, 82.9791,  
107.1054

■ 61.7232, 79.7333,  
106.7447

■ 57.6673, 77.0006,  
106.4309

■ 54.5259, 74.7440,  
106.1610

■ 52.2179, 72.9219,  
105.9309

■ 50.6482, 71.4852,  
105.7363

■ 49.6954, 70.3713,  
105.5715

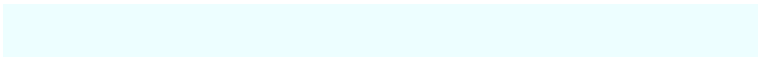
# Harmonies

## Analogous

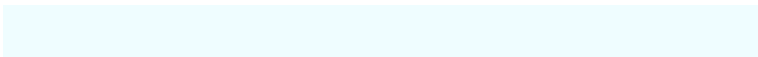
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1553, 96.1081, 103.7022



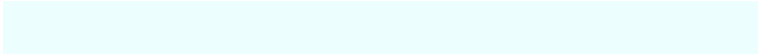
88.4169, 96.1081, 108.4984



89.4597, 96.1081, 112.3673

# Triad

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



88.4169, 96.1081, 108.4984



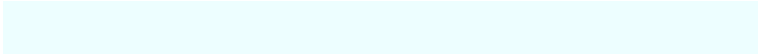
94.0058, 96.1081, 110.1857



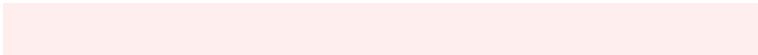
91.6786, 96.1081, 95.6634

# Complementary

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



88.4169, 96.1081, 108.4984



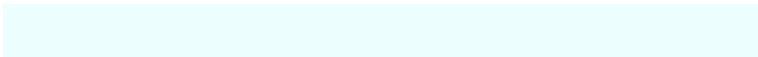
87.1000, 88.5217, 92.6182

# 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.



93.2624, 96.1081, 97.2856



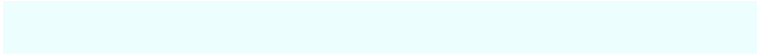
88.4169, 96.1081, 108.4984



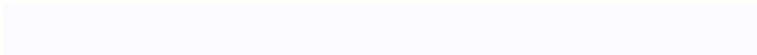
94.6166, 96.1081, 105.5943

# Square

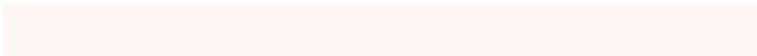
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.4169, 96.1081, 108.4984



92.6835, 96.1081, 113.3623



94.3429, 96.1081, 100.8847

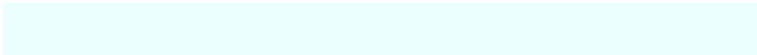


90.0251, 96.1081, 96.3872



# Rectangle

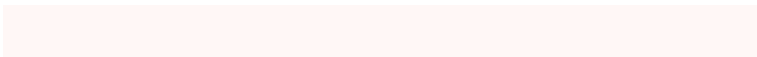
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.4169, 96.1081, 108.4984



90.4644, 96.1081, 113.8499



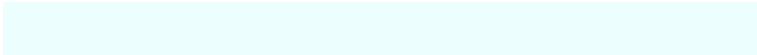
94.3429, 96.1081, 100.8847



92.2370, 96.1081, 95.9508

# Sweetspot

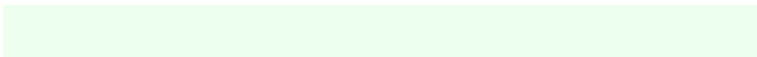
The Sweet Spot groups the original color and five complimentary colors.



88.4194, 96.1120, 108.4990



93.1087, 98.8659, 108.7834



86.1040, 95.6922, 94.7458



19.9494, 21.1733, 23.2853



0.0000, 0.0000, 0.0000

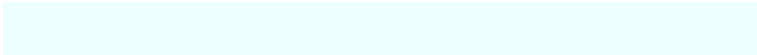


20.3446, 21.4041, 23.3091



# Same Dimension

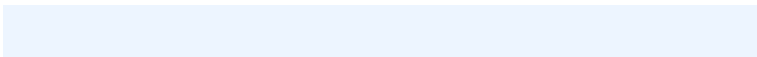
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.4194, 96.1120, 108.4990



87.5805, 95.6171, 108.4477



85.6588, 90.5910, 107.5788



18.4638, 20.2993, 23.1950



25.8909, 36.6914, 55.1521



2.5461, 3.6229, 5.3784



# Inverse Universe

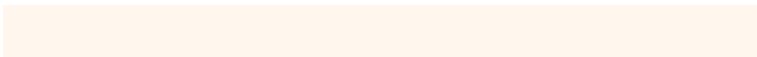
The Inverse Universe completely reimagines the original color for something new.



89.4151, 88.9858, 106.2339



88.7030, 87.5955, 105.8916



89.7569, 93.8356, 93.5039



18.7468, 18.2820, 22.5496



29.8567, 14.4320, 44.7575

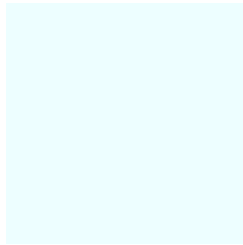


2.9198, 1.4103, 4.4249



# Previews

## White Background



This preview shows how the XYZ color 88.4169, 96.1081, 108.4984 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

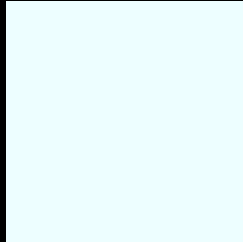
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.4169, 96.1081, 108.4984 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

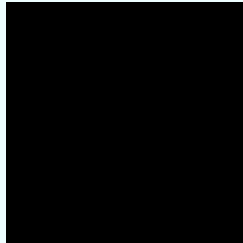
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 88.4169, 96.1081, 108.4984

## Background



This preview shows how black text looks on a background with the XYZ color 88.4169, 96.1081, 108.4984.



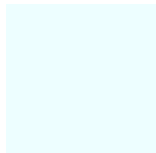
This preview shows how white text looks on a background with the XYZ color 88.4169, 96.1081,



# 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

88.4169, 96.1081, 108.4984

### Protanopia

92.3194, 95.8505, 105.7307

### Deuteranopia

92.6864, 96.0396, 105.7479

## **Tritanopia**

91.2586, 96.1708, 108.3607

# Trichromacy



**Original Color**

88.4169, 96.1081, 108.4984

**Protanomaly**

90.9382, 96.0427, 106.6736

**Deuteranomaly**

90.9382, 96.0427, 106.6736

**Tritanomaly**

90.1686, 96.0739, 108.3995

# Monochromacy



**Original Color**

88.4169, 96.1081, 108.4984

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

89.5660, 95.3719, 104.9548

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.4169, 96.1081, 108.4984 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(237, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 254, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 88.4169, 96.1081, 108.4984 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(237, 254, 255) }
```



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

```
.border{ border-color:rgb(237, 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(237, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.4169, 96.1081, 108.4984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 254, 255) }
```

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

```
.background{ background-color: rgb(237,  
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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