

# Converting Colors

XYZ(88.9868, 96.5574,  
107.9664)

Have a look what the booklet for  
XYZ(88.9868, 96.5574, 107.9664)  
contains.

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# **Color**

**XYZ(88.9278, 96.3901,  
107.6841)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFEFE
RGB	239, 254, 254
RGB Percent	94%, 100%, 100%
CMY	0.0627, 0.0039, 0.0039
CMYK	0.06, 0.00, 0.00, 0.00
HSL	180°, 88%, 97%
HSV	180°, 6%, 100%
XYZ	88.9278, 96.3901, 107.6841
YIQ	249.5150, -8.9400, -3.1800

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 247, 254
Decimal	15728382
CIE Lab	98.59, -4.88, -1.70
CIE LCh	99, 5.166, 199.205
Yxy	96.3901, 0.3035, 0.3290
Android (android.graphics.Color)	4293918462 (0xFFEFFEFE)
YUV	249.5150, 2.2111, -9.2217
Hunter-Lab	98.1785, -10.1311, 3.6945

# Details

The XYZ color 88.9278, 96.3901, 107.6841 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.3231, 89.0384, 94.2496, and the grayscale version is 90.4562, 95.1670, 103.6369.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.5727, 54.0310, 60.6396 is the 20% darker color. If you saturate the color by 10%, you get 80.9476, 92.2789, 107.3070, and if you desaturate by 10%, it is 94.5744, 99.3036, 107.9559.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.9278, 96.3901, 107.6841 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 88.9278, 96.3901, 107.6841 by changing the saturation by 10% instead.



88.9278, 96.3901,  
107.6841

88.9278, 96.3901,  
107.6841

512.8269,  
548.6057, 606.0134

67.4251, 73.2925,  
82.0806

144.7341,  
156.1837, 173.8211

49.7021, 54.2152,  
60.8958

179.7684,  
193.6485, 215.1918

35.3936, 38.7737,  
43.7111

220.0438,  
236.6711, 262.6552

24.1341, 26.5837,  
30.1079

265.9259,  
285.6359, 316.6300

15.5584, 17.2608,  
19.6678

317.7798,  
340.9274, 377.5347

9.3011, 10.4206,  
11.9721

375.9711,

4.9968, 5.6787,

402.9300, 445.7878

6.6024

440.8650,  
472.0279, 521.8079

■ 2.2801, 2.6507,  
3.1400

■ 0.7845, 0.9522,  
1.1666

■ 88.9278, 96.3901,  
107.6841

■ 88.9278, 96.3901,  
107.6841

■ 80.9476, 92.2789,  
107.3070

94.5744, 99.3036,  
107.9559

■ 74.1197, 88.7592,  
106.9819

94.5754, 99.3040,  
107.9616

■ 68.3935, 85.8073,  
106.7083

94.5765, 99.3044,  
107.9672

■ 63.7112, 83.3936,  
106.4836

94.5776, 99.3048,  
107.9728

60.0099, 81.4857, 94.5787, 99.3053,  
106.3048 107.9785

57.2200, 80.0475, 94.5797, 99.3057,  
106.1687 107.9841

55.2625, 79.0385, 94.5808, 99.3061,  
106.0715 107.9898

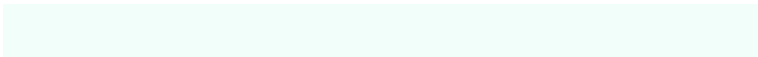
54.0452, 78.4111, 94.5819, 99.3066,  
106.0089 107.9954

53.4538, 78.1064, 94.5829, 99.3070,  
105.9757 108.0010

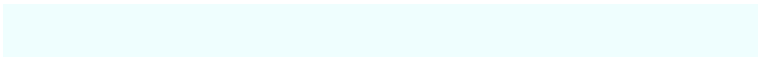
# Harmonies

## Analogous

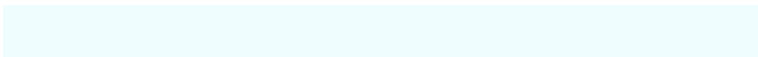
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8209, 96.3901, 103.4179



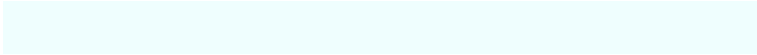
88.9278, 96.3901, 107.6841



89.7504, 96.3901, 111.3096

# Triad

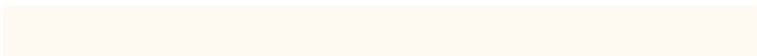
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.9278, 96.3901, 107.6841



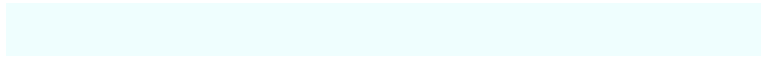
93.8096, 96.3901, 110.4241



92.1554, 96.3901, 97.0708

# Complementary

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



88.9278, 96.3901, 107.6841



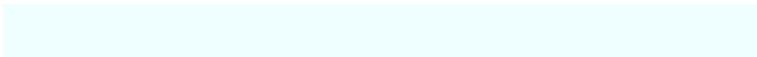
87.3231, 89.0384, 94.2496

# 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.



93.5070, 96.3901, 98.8420



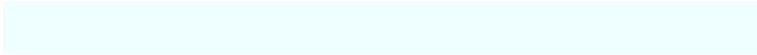
88.9278, 96.3901, 107.6841



94.4690, 96.3901, 106.5021

# Square

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



88.9278, 96.3901, 107.6841



92.5648, 96.3901, 112.9211



94.3576, 96.3901, 102.2674

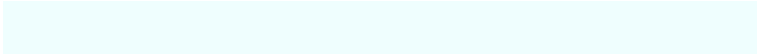


90.6735, 96.3901, 97.3678

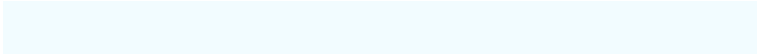


# Rectangle

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



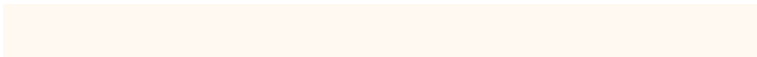
88.9278, 96.3901, 107.6841



90.5990, 96.3901, 112.8390



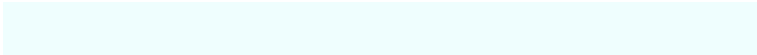
94.3576, 96.3901, 102.2674



92.6403, 96.3901, 97.4422

# Sweetspot

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



88.9306, 96.3942, 107.6862



93.1983, 99.0454, 108.8122



86.7056, 95.5140, 95.5290



19.9677, 21.2098, 23.2912



0.0000, 0.0000, 0.0000

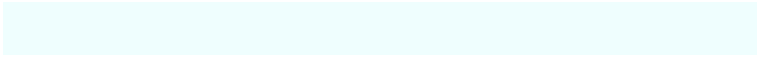


20.3446, 21.4041, 23.3091



# Same Dimension

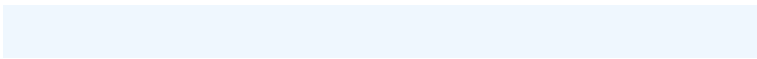
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9306, 96.3942, 107.6862



88.7844, 96.7701, 108.6028



86.6731, 91.8783, 106.9369



18.8939, 20.6563, 23.2403



28.1113, 41.1411, 55.8649

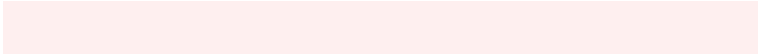


2.7372, 4.0058, 5.4397

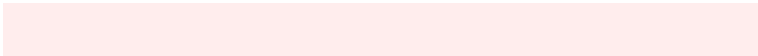


# Inverse Universe

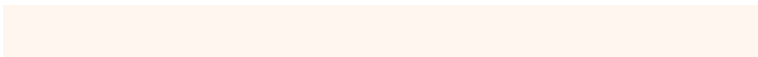
The Inverse Universe completely reimagines the original color for something new.



87.3231, 89.0384, 94.2496



86.8763, 88.0387, 92.6536



89.4884, 93.3700, 94.9685



18.4521, 18.6346, 19.5474



21.5491, 11.1089, 1.0099

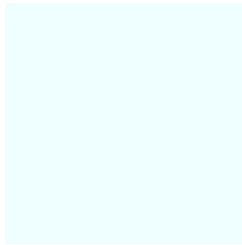


2.0982, 1.0817, 0.0987



# Previews

## White Background



This preview shows how the XYZ color 88.9278, 96.3901, 107.6841 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

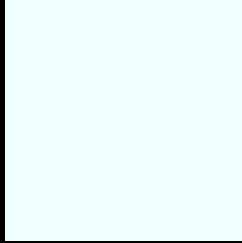
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.9278, 96.3901, 107.6841 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

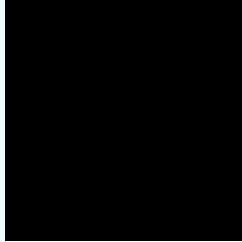
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 88.9278, 96.3901, 107.6841

## Background



This preview shows how black text looks on a background with the XYZ color 88.9278, 96.3901, 107.6841.



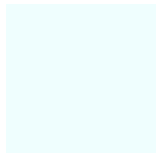
This preview shows how white text looks on a background with the XYZ color 88.9278, 96.3901,



# 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

88.9278, 96.3901, 107.6841

### Protanopia

92.5283, 95.9764, 104.9153

### Deuteranopia

92.6864, 96.0396, 105.7479

## **Tritanopia**

91.6141, 96.3541, 108.3774

# Trichromacy

## Original Color

88.9278, 96.3901, 107.6841

## Protanomaly

91.1348, 96.1624, 105.8533

## Deuteranomaly

91.2937, 96.2259, 106.6903

## Tritanomaly

90.5166, 96.2533, 108.4157

# Monochromacy

## Original Color

88.9278, 96.3901, 107.6841

## Achromatopsia

90.8653, 95.5973, 104.1055

## Achromatomaly

89.9158, 95.5522, 104.9711

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.9278, 96.3901, 107.6841 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, 254, 254) looks like.

```
.text, #text, p{  
    color:rgb(239, 254, 254)  
}
```

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, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 254, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 88.9278, 96.3901, 107.6841 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, 254, 254) }
```



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

```
.border{ border-color:rgb(239, 254, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 254, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 254, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 254, 254);  
box-shadow:4px 4px 4px 4px rgb(239, 254,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.9278, 96.3901, 107.6841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 254, 254) }
```

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

```
.background{ background-color: rgb(239,  
254, 254) }
```

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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