

# Converting Colors

XYZ(90.4711, 100.0000,  
107.9993)

Have a look what the booklet for  
XYZ(90.4711, 100.0000, 107.9993)  
contains.

<b>XYZ(88.9093, 96.8529, 107.7744)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(88.9093, 96.8529,  
107.7744)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEFFFE
RGB	238, 255, 254
RGB Percent	93%, 100%, 100%
CMY	0.0667, 0.0000, 0.0039
CMYK	0.07, 0.00, 0.00, 0.00
HSL	176°, 100%, 97%
HSV	176°, 7%, 100%
XYZ	88.9093, 96.8529, 107.7744
YIQ	249.8030, -9.8110, -3.9150

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	238, 247, 255
Decimal	15663102
CIE <sub>Lab</sub>	98.77, -5.70, -1.44
CIE <sub>LCh</sub>	99, 5.881, 194.168
Yxy	96.8529, 0.3029, 0.3300
Android (android.graphics.Color)	4293853182 (0xFFEEFFFE)
YUV	249.8030, 2.0691, -10.3512
Hunter-Lab	98.4139, -10.9634, 3.9604

# Details

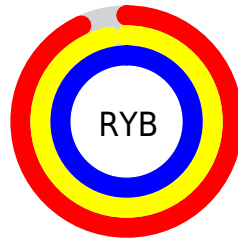
The XYZ color 88.9093, 96.8529, 107.7744 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.3951, 88.6422, 94.1650, and the grayscale version is 90.6926, 95.4156, 103.9076.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.5635, 54.3645, 60.7044 is the 20% darker color. If you saturate the color by 10%, you get 80.7071, 92.6521, 106.1449, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



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



- Red (93%)
- Yellow (97%)
- 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 88.9093, 96.8529, 107.7744 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 88.9093, 96.8529, 107.7744 by changing the saturation by 10% instead.



88.9093, 96.8529,  
107.7744

88.9093, 96.8529,  
107.7744

512.7674,  
550.0800, 606.2991

67.4097, 73.6781,  
82.1560

144.7085,  
156.8220, 173.9454

49.6895, 54.5306,  
60.9576

179.7388,  
194.3851, 215.3350

35.3836, 39.0260,  
43.7606

220.0100,  
237.5130, 262.8188

24.1264, 26.7800,  
30.1465

265.8875,  
286.5903, 316.8153

15.5526, 17.4081,  
19.6968

317.7366,  
342.0012, 377.7431

9.2970, 10.5259,  
11.9930

375.9227,

4.9941, 5.7490,

404.1302, 446.0206

6.6164

440.8112,  
473.3617, 522.0664

■ 2.2785, 2.6931,  
3.1486

■ 0.7836, 0.9737,  
1.1710

■ 88.9093, 96.8529,  
107.7744

■ 88.9093, 96.8529,  
107.7744

■ 80.7071, 92.6521,  
106.1449

95.0500, 100.0000,  
108.9000

■ 73.6677, 89.0505,  
104.5782

■ 67.7378, 86.0207,  
103.0731

■ 62.8588, 83.5325,  
101.6269

■ 58.9667, 81.5527,  
100.2366

■ 55.9905, 80.0450,  
98.8989

■ 53.8498, 78.9677,  
97.6099

■ 52.4500, 78.2722,  
96.3653

■ 51.6726, 77.8973,  
95.1593

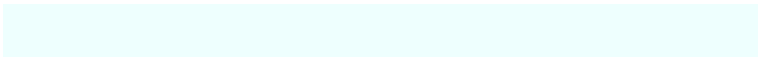
# Harmonies

## Analogous

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



88.9334, 96.8529, 102.9121



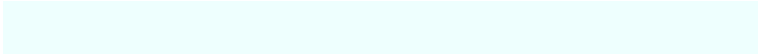
88.9093, 96.8529, 107.7744



89.7210, 96.8529, 112.1439

# Triad

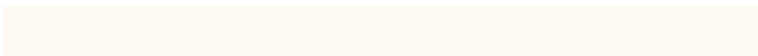
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.9093, 96.8529, 107.7744



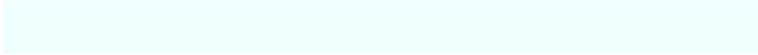
94.3622, 96.8529, 112.3451



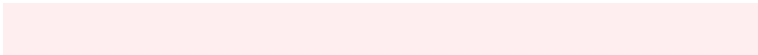
92.9543, 96.8529, 96.6672

# Complementary

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



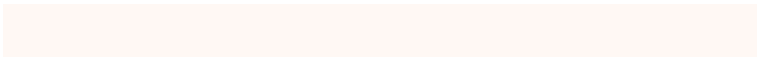
88.9093, 96.8529, 107.7744



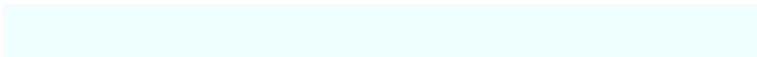
87.3951, 88.6422, 94.1650

# 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.



94.4307, 96.8529, 99.0401



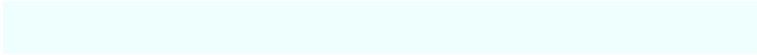
88.9093, 96.8529, 107.7744



95.2504, 96.8529, 108.0422

# Square

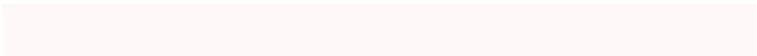
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.9093, 96.8529, 107.7744



92.8617, 96.8529, 114.8375



95.2756, 96.8529, 103.1718

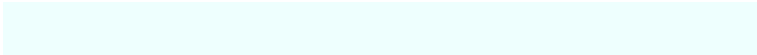


91.2546, 96.8529, 96.6006



# Rectangle

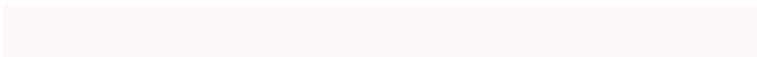
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



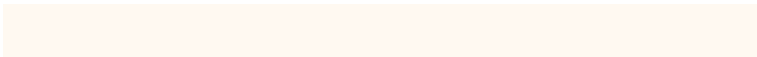
88.9093, 96.8529, 107.7744



90.6327, 96.8529, 114.1472



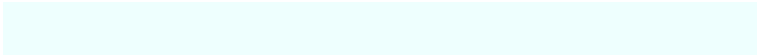
95.2756, 96.8529, 103.1718



93.4937, 96.8529, 97.2182

# Sweetspot

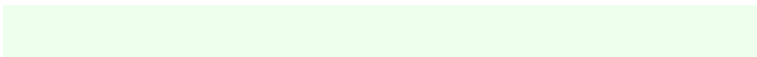
The Sweet Spot groups the original color and five complimentary colors.



88.9102, 96.8534, 107.7759



93.1503, 99.0262, 108.5596



86.8352, 96.0674, 94.8566



19.9579, 21.2059, 23.2398



0.0000, 0.0000, 0.0000

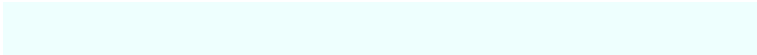


20.3446, 21.4041, 23.3091

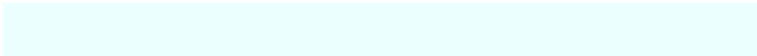


# Same Dimension

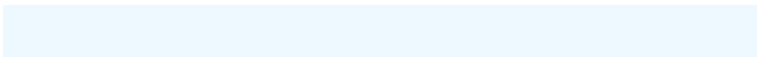
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9102, 96.8534, 107.7759



87.7467, 96.2572, 107.5545



86.7656, 92.3076, 107.8518



18.5061, 20.4620, 22.9680



26.9255, 40.6668, 49.6204

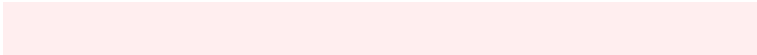


2.6351, 3.9650, 4.9023



# Inverse Universe

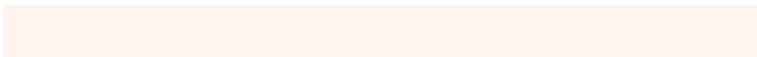
The Inverse Universe completely reimagines the original color for something new.



87.3951, 88.6422, 94.1650



85.9449, 86.4923, 91.3680



89.4367, 92.9607, 94.1199



18.0526, 18.0044, 18.8942



21.6105, 11.1335, 1.3337

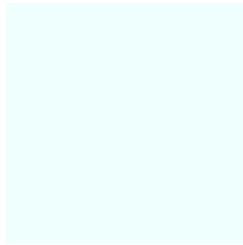


2.1186, 1.0898, 0.2062



# Previews

## White Background



This preview shows how the XYZ color 88.9093, 96.8529, 107.7744 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

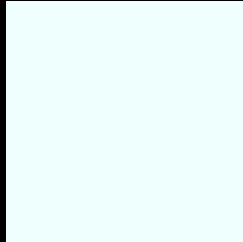
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.9093, 96.8529, 107.7744 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 88.9093, 96.8529, 107.7744

## Background



This preview shows how black text looks on a background with the XYZ color 88.9093, 96.8529, 107.7744.



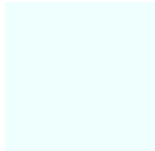
This preview shows how white text looks on a background with the XYZ color 88.9093, 96.8529,



# 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

88.9093, 96.8529, 107.7744

### Protanopia

92.8382, 96.5962, 105.0186

### Deuteranopia

92.9963, 96.6595, 105.8512

## Tritanopia

91.9715, 96.5384, 108.3941

# Trichromacy



**Original Color**

88.9093, 96.8529, 107.7744

**Protanomaly**

91.4480, 96.7888, 105.9577

**Deuteranomaly**

91.6069, 96.8524, 106.7947

**Tritanomaly**

90.8664, 96.4336, 108.4321

# Monochromacy



**Original Color**

88.9093, 96.8529, 107.7744

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

90.2290, 96.1787, 105.0755

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.9093, 96.8529, 107.7744 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 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(238, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 88.9093, 96.8529, 107.7744 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, 254) }
```



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

```
.border{ border-color:rgb(238, 255, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.9093, 96.8529, 107.7744 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, 254) }
```

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

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