

# Converting Colors

XYZ(88.7822, 95.9778,  
108.4540)

Have a look what the booklet for  
XYZ(88.7822, 95.9778, 108.4540)  
contains.

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# Color

**XYZ(88.7719, 95.8213,  
108.4243)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFDFF
RGB	239, 253, 255
RGB Percent	94%, 99%, 100%
CMY	0.0627, 0.0078, 0.0000
CMYK	0.06, 0.01, 0.00, 0.00
HSL	187°, 100%, 97%
HSV	187°, 6%, 100%
XYZ	88.7719, 95.8213, 108.4243
YIQ	249.0420, -8.9860, -2.3460

# Conversions

## Conversions Part 2

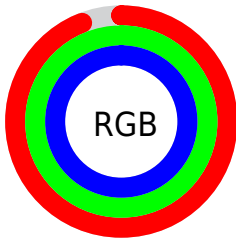
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 246, 255
Decimal	15728127
CIE Lab	98.36, -4.19, -2.54
CIE LCh	98, 4.903, 211.260
Yxy	95.8213, 0.3030, 0.3270
Android (android.graphics.Color)	4293918207 (0xFFEFDFF)
YUV	249.0420, 2.9373, -8.8068
Hunter-Lab	97.8884, -9.4285, 2.8503

# Details

The XYZ color 88.7719, 95.8213, 108.4243 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.2745, 90.4005, 94.4594, and the grayscale version is 90.0612, 94.7514, 103.1843.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.4614, 53.6244, 61.1697 is the 20% darker color. If you saturate the color by 10%, you get 79.7683, 89.7050, 107.7183, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

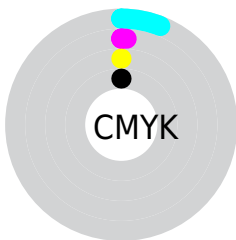
# Distribution



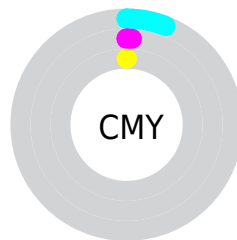
- Red (94%)
- Green (99%)
- Blue (100%)



- Red (94%)
- Yellow (96%)
- Blue (100%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (1%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.7719, 95.8213, 108.4243 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 88.7719, 95.8213, 108.4243 by changing the saturation by 10% instead.




 88.7719, 95.8213,  
108.4243

 88.7719, 95.8213,  
108.4243


512.3254,  
546.7909, 608.3530

 67.2954, 72.8187,  
82.6984


144.5184,  
155.3988, 174.8393

 49.5963, 53.8278,  
61.4022


179.5191,  
192.7425, 216.3656

 35.3092, 38.4640,  
44.1172


219.7586,  
235.6353, 263.9957

 24.0688, 26.3430,  
30.4248

265.6022,  
284.4618, 318.1482

 15.5097, 17.0804,  
19.9064

317.4154,  
339.6061, 379.2416

 9.2665, 10.2918,  
12.1437

375.5634,

 4.9739, 5.5929,

401.4529, 447.6945

6.7179

440.4116,  
470.3863, 523.9255

■ 2.2666, 2.5991,  
3.2105

■ 0.7775, 0.9262,  
1.2031

■ 88.7719, 95.8213,  
108.4243

■ 88.7719, 95.8213,  
108.4243

■ 79.7683, 89.7050,  
107.7183

95.0500, 100.0000,  
108.9000

■ 71.9428, 84.2182,  
107.0717

■ 65.2437, 79.3366,  
106.4825

■ 59.6126, 75.0300,  
105.9481

■ 54.9855, 71.2653,  
105.4653

■ 51.2917, 68.0061,  
105.0309

■ 48.4511, 65.2108,  
104.6410

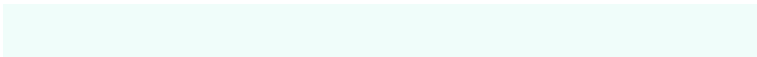
■ 46.3700, 62.8309,  
104.2914

■ 44.9314, 60.8061,  
103.9764

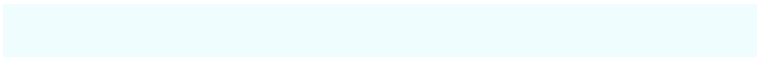
# Harmonies

## Analogous

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



88.3852, 95.8213, 104.5044



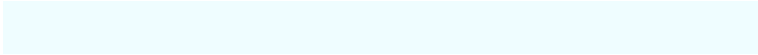
88.7719, 95.8213, 108.4243



89.7748, 95.8213, 111.3073

# Triad

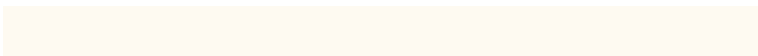
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.7719, 95.8213, 108.4243



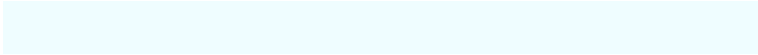
93.4790, 95.8213, 108.1203



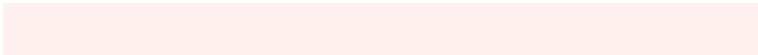
91.0155, 95.8213, 96.7438

# Complementary

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



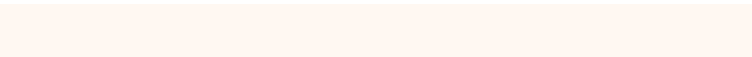
88.7719, 95.8213, 108.4243



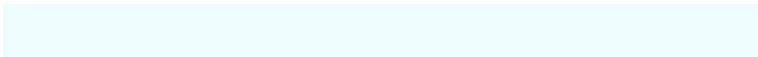
88.2745, 90.4005, 94.4594

# 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.



92.3882, 95.8213, 97.6565



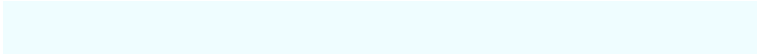
88.7719, 95.8213, 108.4243



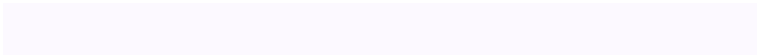
93.8193, 95.8213, 104.1620

# Square

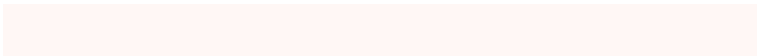
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.7719, 95.8213, 108.4243



92.4928, 95.8213, 111.1286



93.4181, 95.8213, 100.3461

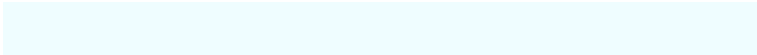


89.6723, 95.8213, 97.8204

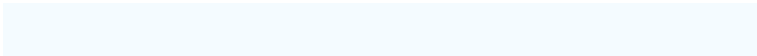


# Rectangle

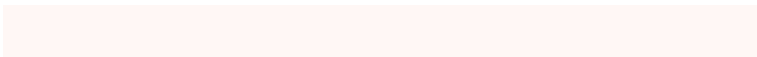
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



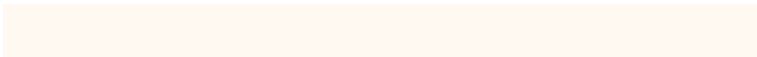
88.7719, 95.8213, 108.4243



90.6630, 95.8213, 112.2164



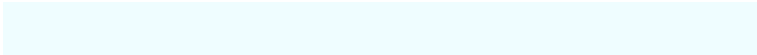
93.4181, 95.8213, 100.3461



91.4888, 95.8213, 96.8279

# Sweetspot

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



88.7744, 95.8252, 108.4250



92.9960, 98.6406, 108.7459



87.2148, 96.2141, 97.0906



19.9265, 21.1274, 23.2777



0.0000, 0.0000, 0.0000

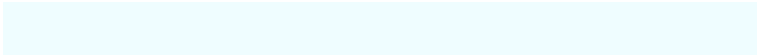


20.3446, 21.4041, 23.3091

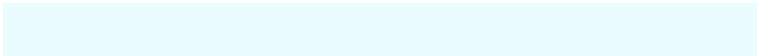


# Same Dimension

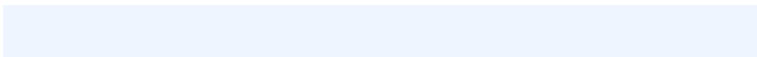
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7744, 95.8252, 108.4250



87.1331, 94.7223, 108.2986



86.3404, 90.9573, 107.6136



18.3503, 20.0721, 23.1571



23.3253, 31.5602, 54.2969



2.3230, 3.1766, 5.3040



# Inverse Universe

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



89.8376, 90.0864, 105.5867



88.4771, 87.5052, 104.7025



90.6550, 95.1616, 95.2529



18.6894, 18.2591, 22.2478



28.5617, 13.9140, 37.9382

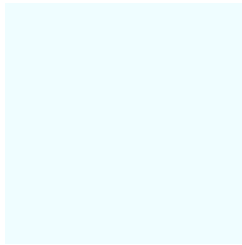


2.8071, 1.3652, 3.8317



# Previews

## White Background



This preview shows how the XYZ color 88.7719, 95.8213, 108.4243 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

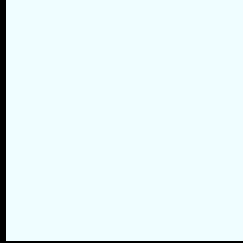
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.7719, 95.8213, 108.4243 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

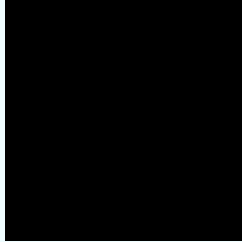
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 88.7719, 95.8213, 108.4243

## Background



This preview shows how black text looks on a background with the XYZ color 88.7719, 95.8213, 108.4243.



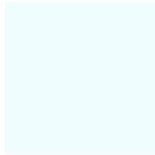
This preview shows how white text looks on a background with the XYZ color 88.7719, 95.8213,



# 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

88.7719, 95.8213, 108.4243

### Protanopia

92.4784, 95.9140, 106.5676

### Deuteranopia

92.3781, 95.4231, 105.6451

## **Tritanopia**

90.9470, 95.5477, 108.2569

# Trichromacy



**Original Color**

88.7719, 95.8213, 108.4243

**Protanomaly**

91.1419, 95.6667, 107.4278

**Deuteranomaly**

90.9822, 95.6028, 106.5864

**Tritanomaly**

90.2034, 95.6268, 108.3113

# Monochromacy



**Original Color**

88.7719, 95.8213, 108.4243

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

89.2544, 94.7487, 104.8509

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.7719, 95.8213, 108.4243 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, 253, 255) looks like.

```
.text, #text, p{  
    color:rgb(239, 253, 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(239, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 253, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 88.7719, 95.8213, 108.4243 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, 253, 255) }
```



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

```
.border{ border-color:rgb(239, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 253,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.7719, 95.8213, 108.4243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 253, 255) }
```

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

```
.background{ background-color: rgb(239,  
253, 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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