

# Converting Colors

XYZ(89.8050, 95.6950,  
108.3455)

Have a look what the booklet for  
XYZ(89.8050, 95.6950, 108.3455)  
contains.

<b>XYZ(89.8226, 95.8955, 108.3833)</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(89.8226, 95.8955,  
108.3833)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3FCFF
RGB	243, 252, 255
RGB Percent	95%, 99%, 100%
CMY	0.0471, 0.0117, 0.0000
CMYK	0.05, 0.01, 0.00, 0.00
HSL	195°, 100%, 98%
HSV	195°, 5%, 100%
XYZ	89.8226, 95.8955, 108.3833
YIQ	249.6510, -6.3270, -0.9750

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 248, 255
Decimal	15990015
CIE Lab	98.39, -2.40, -2.47
CIE LCh	98, 3.441, 225.831
Yxy	95.8955, 0.3054, 0.3261
Android (android.graphics.Color)	4294180095 (0xFFFF3FCFF)
YUV	249.6510, 2.6371, -5.8329
Hunter-Lab	97.9262, -7.6423, 2.9271

# Details

The XYZ color 89.8226, 95.8955, 108.3833 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.3726, 93.6405, 98.1069, and the grayscale version is 90.5633, 95.2796, 103.7595.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.2017, 53.6722, 61.1399 is the 20% darker color. If you saturate the color by 10%, you get 79.6617, 87.7426, 107.3451, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

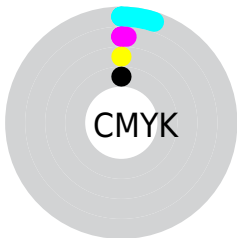
# Distribution



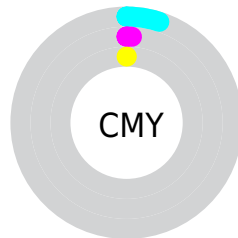
- Red (95%)
- Green (99%)
- Blue (100%)



- Red (95%)
- Yellow (97%)
- Blue (100%)



- Cyan (5%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (1%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.8226, 95.8955, 108.3833 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 89.8226, 95.8955, 108.3833 by changing the saturation by 10% instead.




 89.8226, 95.8955,  
108.3833

 89.8226, 95.8955,  
108.3833

515.7001,  
547.0279, 608.2235

 68.1693, 72.8805,  
82.6642


145.9716,  
155.5012, 174.7830

 50.3097, 53.8783,  
61.3742


181.1979,  
192.8607, 216.3006

 35.8783, 38.5044,  
44.0947


221.6794,  
235.7705, 263.9215

 24.5099, 26.3744,  
30.4072

267.7812,  
284.6150, 318.0641

 15.8391, 17.1039,  
19.8932

319.8689,  
339.7786, 379.1471

 9.5005, 10.3086,  
12.1341

378.3077,

 5.1287, 5.6041,

401.6457, 447.5890

6.7114

443.4630,  
470.6006, 523.8083

■ 2.3585, 2.6058,  
3.2066

■ 0.8244, 0.9296,  
1.2011

■ 89.8226, 95.8955,  
108.3833

■ 89.8226, 95.8955,  
108.3833

■ 79.6617, 87.7426,  
107.3451

95.0500, 100.0000,  
108.9000

■ 70.7367, 80.3226,  
106.3833

■ 62.9959, 73.6105,  
105.4958

■ 56.3811, 67.5753,  
104.6795

■ 50.8286, 62.1832,  
103.9314

■ 46.2683, 57.3971,  
103.2479

■ 42.6212, 53.1751,  
102.6252

■ 39.7955, 49.4688,  
102.0587

■ 37.6783, 46.2191,  
101.5431

# Harmonies

## Analogous

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



89.3222, 95.8955, 105.9119



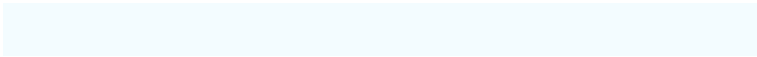
89.8226, 95.8955, 108.3833



90.6795, 95.8955, 109.8030

# Triad

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



89.8226, 95.8955, 108.3833



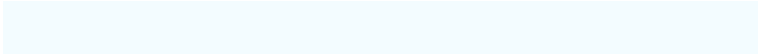
93.0086, 95.8955, 105.7574



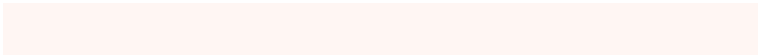
90.6262, 95.8955, 99.2437

# Complementary

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



89.8226, 95.8955, 108.3833



90.3726, 93.6405, 98.1069

# 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.



91.6137, 95.8955, 99.2041



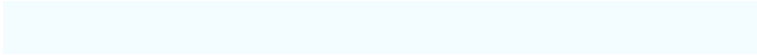
89.8226, 95.8955, 108.3833



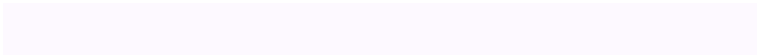
92.9941, 95.8955, 102.9301

# Square

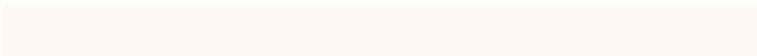
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.8226, 95.8955, 108.3833



92.5215, 95.8955, 108.2684



92.4819, 95.8955, 100.5426



89.7838, 95.8955, 100.6520

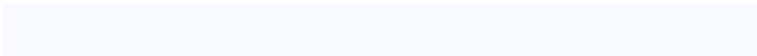


# Rectangle

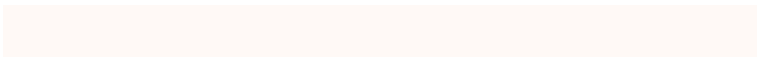
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.8226, 95.8955, 108.3833



91.3398, 95.8955, 109.9457



92.4819, 95.8955, 100.5426



90.9521, 95.8955, 99.0708

# Sweetspot

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



89.8251, 95.8995, 108.3839



93.9154, 99.1142, 108.7888



89.3270, 97.2167, 101.0858



20.1137, 21.2239, 23.2865



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

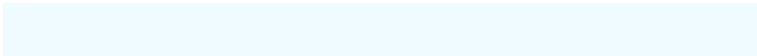


# Same Dimension

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



89.8251, 95.8995, 108.3839



88.4374, 94.8007, 108.2450



88.0299, 92.3092, 107.7855



18.7812, 20.1737, 23.1540



19.3324, 23.5743, 52.9660



1.9687, 2.4682, 5.1859



# Inverse Universe

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



90.8628, 92.3910, 105.1445



89.7531, 90.3802, 104.1316



92.1658, 97.2268, 98.7046



19.0925, 19.1309, 22.1798



26.5463, 13.1078, 27.3249



2.6283, 1.2937, 2.8902



# Previews

## White Background



This preview shows how the XYZ color 89.8226, 95.8955, 108.3833 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

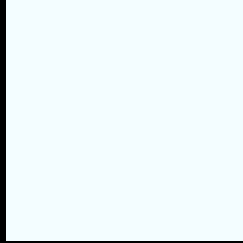
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.8226, 95.8955, 108.3833 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

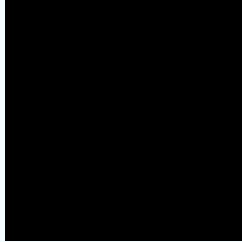
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.8226, 95.8955, 108.3833

## Background



This preview shows how black text looks on a background with the XYZ color 89.8226, 95.8955, 108.3833.



This preview shows how white text looks on a background with the XYZ color 89.8226, 95.8955,



# 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

A vertical bar on the left side of the page is divided into three colored sections: a light blue top section, a light pink middle section, and a light red bottom section. These sections correspond to the color simulation results listed to their right.

### Original Color

89.8226, 95.8955, 108.3833

### Protanopia

92.4784, 95.9140, 106.5676

### Deuteranopia

92.6864, 96.0396, 105.7479

## **Tritanopia**

91.3025, 95.7310, 108.2735

# Trichromacy

## Original Color

89.8226, 95.8955, 108.3833

## Protanomaly

91.4993, 95.8510, 107.4445

## Deuteranomaly

91.6989, 95.9723, 106.6200

## Tritanomaly

90.9050, 95.9885, 108.3442

# Monochromacy

## Original Color

89.8226, 95.8955, 108.3833

## Achromatopsia

90.8653, 95.5973, 104.1055

## Achromatomaly

90.4256, 95.7968, 105.8201

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.8226, 95.8955, 108.3833 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(243, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 252, 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(243, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 252, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 89.8226, 95.8955, 108.3833 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(243, 252, 255) }
```



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

```
.border{ border-color:rgb(243, 252, 255) }
```

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

Here you see how a box with a 4 pixel rgb(243, 252, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 252,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.8226, 95.8955, 108.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 252, 255) }
```

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

```
.background{ background-color: rgb(243,  
252, 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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