

# Converting Colors

XYZ(88.9748, 95.8755,  
108.4241)

Have a look what the booklet for  
XYZ(88.9748, 95.8755, 108.4241)  
contains.

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# **Color**

**XYZ(89.1105, 95.9958,  
108.4402)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FDFF
RGB	240, 253, 255
RGB Percent	94%, 99%, 100%
CMY	0.0588, 0.0078, 0.0000
CMYK	0.06, 0.01, 0.00, 0.00
HSL	188°, 100%, 97%
HSV	188°, 6%, 100%
XYZ	89.1105, 95.9958, 108.4402
YIQ	249.3410, -8.3900, -2.1340

# Conversions

## Conversions Part 2

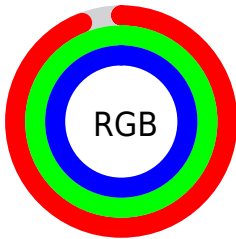
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 247, 255
Decimal	15793663
CIE Lab	98.43, -3.87, -2.43
CIE LCh	98, 4.572, 212.175
Yxy	95.9958, 0.3036, 0.3270
Android (android.graphics.Color)	4293983743 (0xFFFF0FDFF)
YUV	249.3410, 2.7899, -8.1921
Hunter-Lab	97.9774, -9.1148, 2.9628

# Details

The XYZ color 89.1105, 95.9958, 108.4402 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.7196, 91.0536, 95.3388, and the grayscale version is 90.3079, 95.0109, 103.4669.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.7001, 53.7474, 61.1809 is the 20% darker color. If you saturate the color by 10%, you get 79.9943, 89.7238, 107.7100, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

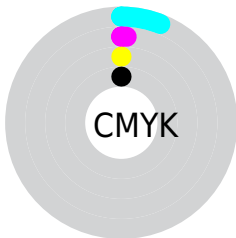
# Distribution



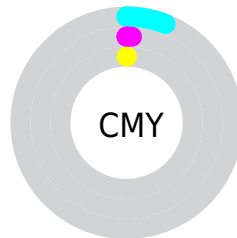
- Red (94%)
- Green (99%)
- Blue (100%)



- Red (94%)
- Yellow (97%)
- 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 89.1105, 95.9958, 108.4402 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 89.1105, 95.9958, 108.4402 by changing the saturation by 10% instead.




 89.1105, 95.9958,  
108.4402

 89.1105, 95.9958,  
108.4402

513.4142,  
547.3480, 608.4032

 67.5770, 72.9641,  
82.7117


144.9869,  
155.6396, 174.8612

 49.8261, 53.9466,  
61.4131


180.0604,  
193.0205, 216.3908

 35.4925, 38.5590,  
44.1259


220.3780,  
235.9532, 264.0245

 24.2108, 26.4168,  
30.4316

266.3050,  
284.8221, 318.1808

 15.6156, 17.1357,  
19.9116

318.2068,  
340.0117, 379.2783

 9.3417, 10.3313,  
12.1474

376.4487,

 5.0236, 5.6192,

401.9063, 447.7355

6.7204

441.3960,  
470.8902, 523.9709

■ 2.2960, 2.6149,  
3.2121

■ 0.7926, 0.9342,  
1.2039

■ 89.1105, 95.9958,  
108.4402

■ 89.1105, 95.9958,  
108.4402

■ 79.9943, 89.7238,  
107.7100

95.0500, 100.0000,  
108.9000

■ 72.0607, 84.0869,  
107.0401

■ 65.2579, 79.0609,  
106.4286

■ 59.5277, 74.6156,  
105.8726

■ 54.8063, 70.7181,  
105.3691

■ 51.0235, 67.3319,  
104.9149

■ 48.0994, 64.4159,  
104.5061

■ 45.9409, 61.9217,  
104.1385

■ 44.4325, 59.7897,  
103.8065

# Harmonies

## Analogous

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



88.7293, 95.9958, 104.7991



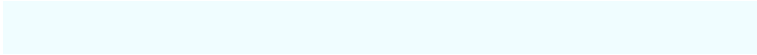
89.1105, 95.9958, 108.4402



90.0620, 95.9958, 111.0815

# Triad

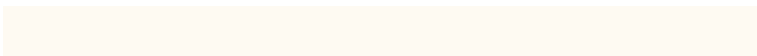
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1105, 95.9958, 108.4402



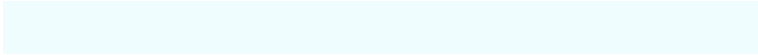
93.5033, 95.9958, 107.9515



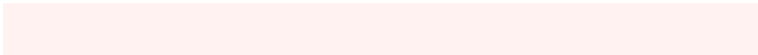
91.1449, 95.9958, 97.4292

# Complementary

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



89.1105, 95.9958, 108.4402



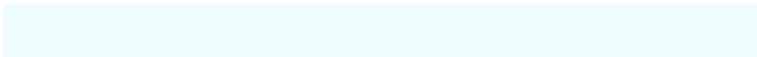
88.7196, 91.0536, 95.3388

# Split Complementary

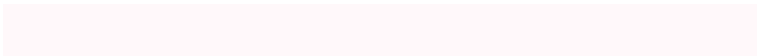
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.4305, 95.9958, 98.2281



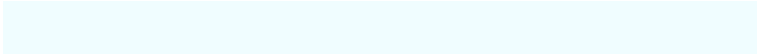
89.1105, 95.9958, 108.4402



93.7999, 95.9958, 104.2476

# Square

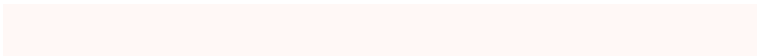
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.1105, 95.9958, 108.4402



92.5988, 95.9958, 110.7946



93.4055, 95.9958, 100.7015



89.8968, 95.9958, 98.4929



# Rectangle

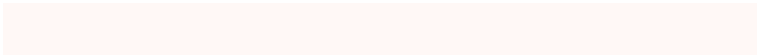
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



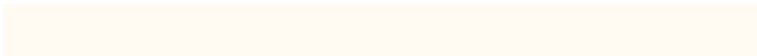
89.1105, 95.9958, 108.4402



90.8961, 95.9958, 111.8879



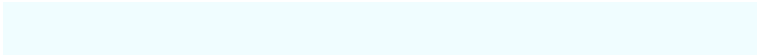
93.4055, 95.9958, 100.7015



91.5870, 95.9958, 97.4888

# Sweetspot

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



89.1130, 95.9998, 108.4408



92.9825, 98.6136, 108.7414



87.6857, 96.4415, 97.8027



19.9238, 21.1219, 23.2768



0.0000, 0.0000, 0.0000

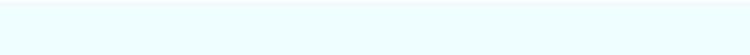


20.3446, 21.4041, 23.3091

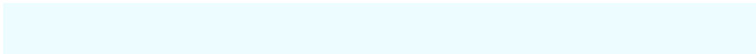


# Same Dimension

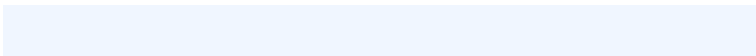
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1130, 95.9998, 108.4408



88.0326, 95.2652, 108.3560



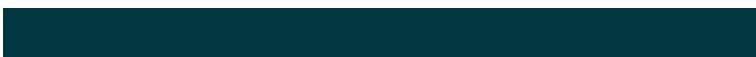
86.8661, 91.5060, 107.6918



18.7192, 20.3066, 23.1829



23.0347, 30.9790, 54.2001



2.2975, 3.1257, 5.2955



# Inverse Universe

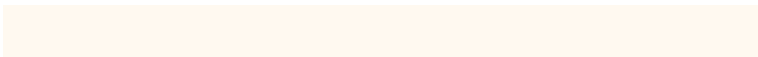
The Inverse Universe completely reimagines the original color for something new.



90.1312, 90.6736, 105.6845



89.2378, 88.9833, 105.0889



90.9218, 95.4579, 96.0729



18.9985, 18.8532, 22.4250



28.4151, 13.8553, 37.1657

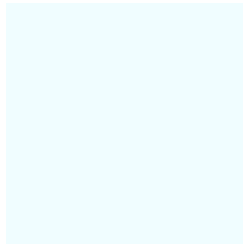


2.7943, 1.3601, 3.7640



# Previews

## White Background



This preview shows how the XYZ color 89.1105, 95.9958, 108.4402 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

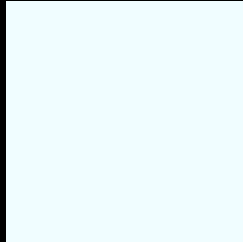
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.1105, 95.9958, 108.4402 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

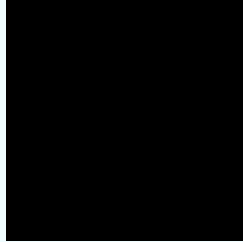
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.1105, 95.9958, 108.4402

## Background



This preview shows how black text looks on a background with the XYZ color 89.1105, 95.9958, 108.4402.



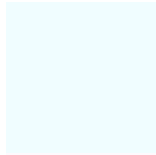
This preview shows how white text looks on a background with the XYZ color 89.1105, 95.9958,



# 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

89.1105, 95.9958, 108.4402

### Protanopia

92.4784, 95.9140, 106.5676

### Deuteranopia

92.6864, 96.0396, 105.7479

## **Tritanopia**

91.3025, 95.7310, 108.2735

# Trichromacy



**Original Color**

89.1105, 95.9958, 108.4402

**Protanomaly**

91.1419, 95.6667, 107.4278

**Deuteranomaly**

91.3396, 95.7871, 106.6031

**Tritanomaly**

90.5532, 95.8072, 108.3277

# Monochromacy



**Original Color**

89.1105, 95.9958, 108.4402

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

89.6042, 94.9291, 104.8673

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.1105, 95.9958, 108.4402 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(240, 253, 255) looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 253, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 89.1105, 95.9958, 108.4402 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(240, 253, 255) }
```



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

```
.border{ border-color:rgb(240, 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(240, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 253,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.1105, 95.9958, 108.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 253, 255) }
```

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

```
.background{ background-color: rgb(240,  
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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