

# Converting Colors

XYZ(89.7319, 96.4780,  
108.5005)

Have a look what the booklet for  
XYZ(89.7319, 96.4780, 108.5005)  
contains.

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# **Color**

**XYZ(89.7932, 96.3478,  
108.4721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FDFF
RGB	242, 253, 255
RGB Percent	95%, 99%, 100%
CMY	0.0510, 0.0078, 0.0000
CMYK	0.05, 0.01, 0.00, 0.00
HSL	189°, 100%, 97%
HSV	189°, 5%, 100%
XYZ	89.7932, 96.3478, 108.4721
YIQ	249.9390, -7.1980, -1.7100

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 248, 255
Decimal	15924735
CIE <sub>Lab</sub>	98.57, -3.23, -2.21
CIE <sub>LCh</sub>	99, 3.911, 214.459
Yxy	96.3478, 0.3048, 0.3270
Android (android.graphics.Color)	4294114815 (0xFFFF2FDFF)
YUV	249.9390, 2.4951, -6.9625
Hunter-Lab	98.1569, -8.4842, 3.1891

# Details

The XYZ color 89.7932, 96.3478, 108.4721 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.6168, 92.3699, 97.1117, and the grayscale version is 90.8025, 95.5313, 104.0336.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.1827, 53.9962, 61.2035 is the 20% darker color. If you saturate the color by 10%, you get 80.4220, 89.7047, 107.6838, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

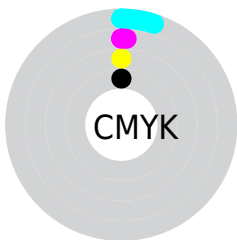
# Distribution



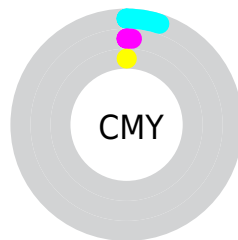
- Red (95%)
- Green (99%)
- Blue (100%)



- 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 89.7932, 96.3478, 108.4721 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 89.7932, 96.3478, 108.4721 by changing the saturation by 10% instead.



89.7932, 96.3478,  
108.4721

89.7932, 96.3478,  
108.4721

515.6058,  
548.4709, 608.5039

68.1448, 73.2573,  
82.7383

145.9309,  
156.1253, 174.9051

50.2897, 54.1863,  
61.4349

181.1510,  
193.5811, 216.4413

35.8624, 38.7507,  
44.1434

221.6257,  
236.5941, 264.0822

24.4975, 26.5658,  
30.4453

267.7203,  
285.5487, 318.2461

15.8298, 17.2474,  
19.9219

319.8003,  
340.8292, 379.3518

9.4939, 10.4110,  
12.1548

378.2310,

5.1244, 5.6723,

402.8202, 447.8176

6.7253

443.3777,  
471.9060, 524.0621

■ 2.3559, 2.6469,  
3.2151

■ 0.8231, 0.9503,  
1.2055

■ 89.7932, 96.3478,  
108.4721

■ 89.7932, 96.3478,  
108.4721

■ 80.4220, 89.7047,  
107.6838

95.0500, 100.0000,  
108.9000

■ 72.2436, 83.7111,  
106.9580

■ 65.2066, 78.3432,  
106.2927

■ 59.2531, 73.5707,  
105.6853

■ 54.3198, 69.3609,  
105.1328

■ 50.3368, 65.6775,  
104.6317

■ 47.2252, 62.4796,  
104.1785

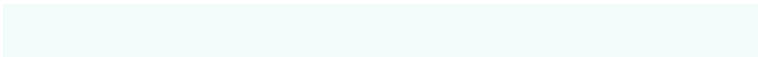
■ 44.8931, 59.7195,  
103.7686

■ 43.2271, 57.3386,  
103.3969

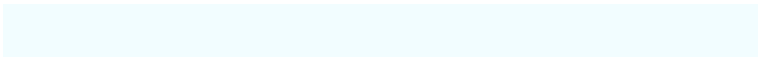
# Harmonies

## Analogous

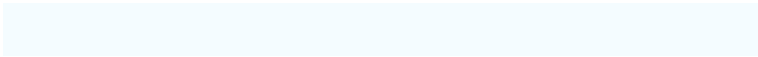
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4234, 96.3478, 105.3916



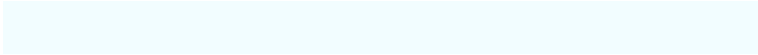
89.7932, 96.3478, 108.4721



90.6407, 96.3478, 110.6303

# Triad

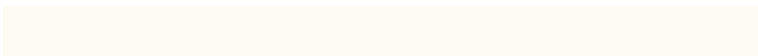
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7932, 96.3478, 108.4721



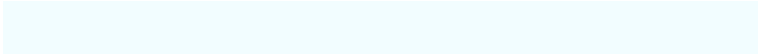
93.5531, 96.3478, 107.6163



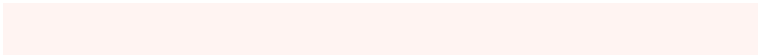
91.4066, 96.3478, 98.8152

# Complementary

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



89.7932, 96.3478, 108.4721



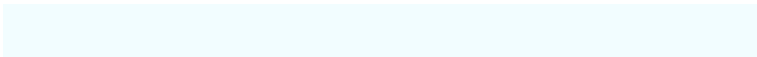
89.6168, 92.3699, 97.1117

# Split Complementary

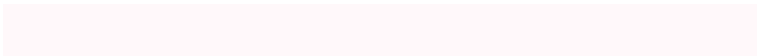
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.5171, 96.3478, 99.3834



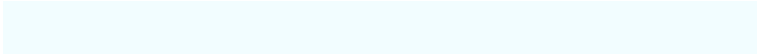
89.7932, 96.3478, 108.4721



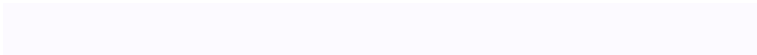
93.7623, 96.3478, 104.4227

# Square

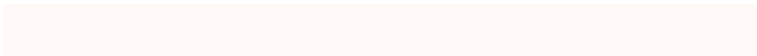
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.7932, 96.3478, 108.4721



92.8124, 96.3478, 110.1291



93.3816, 96.3478, 101.4197



90.3500, 96.3478, 99.8514



# Rectangle

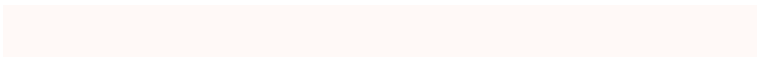
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.7932, 96.3478, 108.4721



91.3657, 96.3478, 111.2322



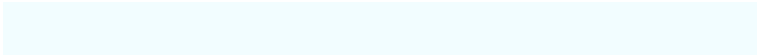
93.3816, 96.3478, 101.4197



91.7860, 96.3478, 98.8251

# Sweetspot

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



89.7957, 96.3518, 108.4728



92.9494, 98.5473, 108.7303



88.7003, 96.9263, 99.5830



19.9170, 21.1084, 23.2745



0.0000, 0.0000, 0.0000

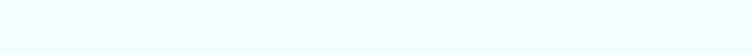


20.3446, 21.4041, 23.3091

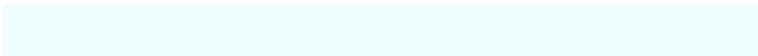


# Same Dimension

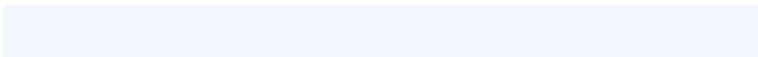
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7957, 96.3518, 108.4728



88.8991, 95.7242, 108.3989



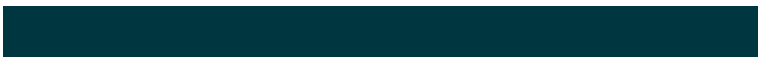
87.7922, 92.3449, 107.8049



18.8906, 20.3925, 23.1904



22.3356, 29.5809, 53.9670



2.2361, 3.0028, 5.2750



# Inverse Universe

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



90.7232, 91.8576, 105.8820



89.9862, 90.4734, 105.3590



91.5931, 96.3225, 97.7705



19.1478, 19.1530, 22.4706



28.0622, 13.7142, 35.3076



2.7633, 1.3477, 3.6007



# Previews

## White Background



This preview shows how the XYZ color 89.7932, 96.3478, 108.4721 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

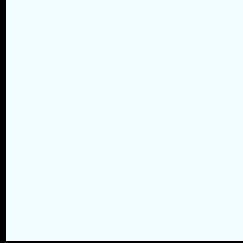
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.7932, 96.3478, 108.4721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

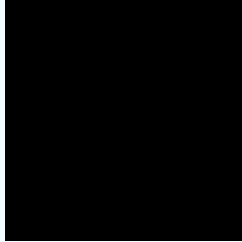
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.7932, 96.3478, 108.4721

## Background



This preview shows how black text looks on a background with the XYZ color 89.7932, 96.3478, 108.4721.



This preview shows how white text looks on a background with the XYZ color 89.7932, 96.3478,



# 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

89.7932, 96.3478, 108.4721

### Protanopia

92.4784, 95.9140, 106.5676

### Deuteranopia

92.6864, 96.0396, 105.7479

## **Tritanopia**

91.6141, 96.3541, 108.3774

# Trichromacy



**Original Color**

89.7932, 96.3478, 108.4721

**Protanomaly**

91.4993, 95.8510, 107.4445

**Deuteranomaly**

91.3396, 95.7871, 106.6031

**Tritanomaly**

90.8664, 96.4336, 108.4321

# Monochromacy



**Original Color**

89.7932, 96.3478, 108.4721

**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 89.7932, 96.3478, 108.4721 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(242, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 253, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 89.7932, 96.3478, 108.4721 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(242, 253, 255) }
```



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

```
.border{ border-color:rgb(242, 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(242, 253, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 253,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.7932, 96.3478, 108.4721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 253, 255) }
```

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

```
.background{ background-color: rgb(242,  
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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