

# Converting Colors

XYZ(90.0156, 97.0976,  
109.2977)

Have a look what the booklet for  
XYZ(90.0156, 97.0976, 109.2977)  
contains.

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# **Color**

**XYZ(89.7674, 96.8044,  
108.5616)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FEFF
RGB	241, 254, 255
RGB Percent	95%, 100%, 100%
CMY	0.0549, 0.0039, 0.0000
CMYK	0.05, 0.00, 0.00, 0.00
HSL	184°, 100%, 97%
HSV	184°, 5%, 100%
XYZ	89.7674, 96.8044, 108.5616
YIQ	250.2270, -8.0690, -2.4450

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 248, 255
Decimal	15859455
CIE Lab	98.75, -4.05, -1.96
CIE LCh	99, 4.499, 205.779
Yxy	96.8044, 0.3042, 0.3280
Android (android.graphics.Color)	4294049535 (0xFF1FEFF)
YUV	250.2270, 2.3531, -8.0921
Hunter-Lab	98.3892, -9.3231, 3.4525

# Details

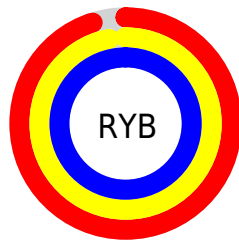
The XYZ color 89.7674, 96.8044, 108.5616 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.8684, 91.1128, 96.1231, and the grayscale version is 91.0421, 95.7834, 104.3081.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.1669, 54.3240, 61.2676 is the 20% darker color. If you saturate the color by 10%, you get 81.0935, 91.4863, 107.9923, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

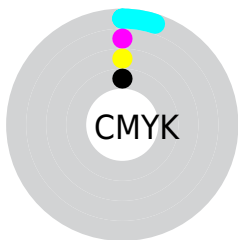
# Distribution



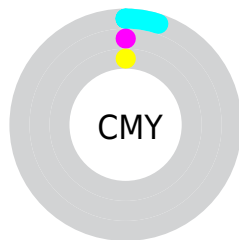
- Red (95%)
- Green (100%)
- Blue (100%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.7674, 96.8044, 108.5616 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 89.7674, 96.8044, 108.5616 by changing the saturation by 10% instead.




 89.7674, 96.8044,  
108.5616

 89.7674, 96.8044,  
108.5616


515.5231,  
549.9256, 608.7865

 68.1234, 73.6377,  
82.8130


145.8953,  
156.7551, 175.0281

 50.2722, 54.4976,  
61.4962


181.1098,  
194.3079, 216.5832

 35.8484, 38.9996,  
44.1926


221.5786,  
237.4248, 264.2441

 24.4867, 26.7594,  
30.4836

267.6669,  
286.4903, 318.4296

 15.8217, 17.3926,  
19.9508

319.7402,  
341.8887, 379.5579

 9.4881, 10.5148,  
12.1756

378.1637,

 5.1206, 5.7416,

404.0045, 448.0479

6.7394

443.3029,  
473.2220, 524.3179

■ 2.3537, 2.6886,  
3.2237

■ 0.8219, 0.9714,  
1.2100

■ 89.7674, 96.8044,  
108.5616

■ 89.7674, 96.8044,  
108.5616

■ 81.0935, 91.4863,  
107.9923

95.0500, 100.0000,  
108.9000

■ 73.5906, 86.7773,  
107.4788

■ 67.2073, 82.6534,  
107.0193

■ 61.8856, 79.0849,  
106.6109

■ 57.5622, 76.0389,  
106.2509

■ 54.1670, 73.4794,  
105.9358

■ 51.6208, 71.3656,  
105.6620

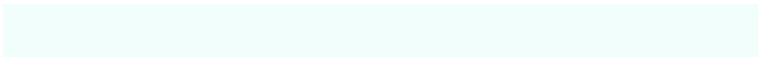
■ 49.8312, 69.6496,  
105.4251

■ 48.6838, 68.2727,  
105.2198

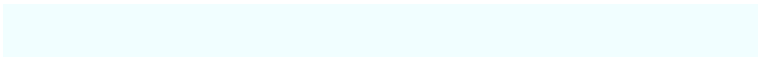
# Harmonies

## Analogous

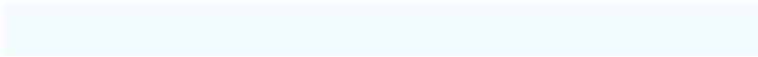
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5285, 96.8044, 104.8752



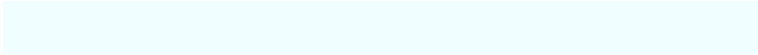
89.7674, 96.8044, 108.5616



90.6050, 96.8044, 111.4614

# Triad

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



89.7674, 96.8044, 108.5616



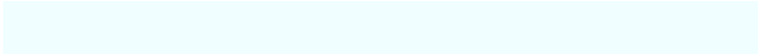
94.1013, 96.8044, 109.4991



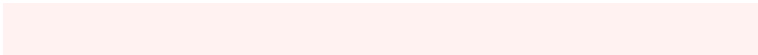
92.1946, 96.8044, 98.3942

# Complementary

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



89.7674, 96.8044, 108.5616



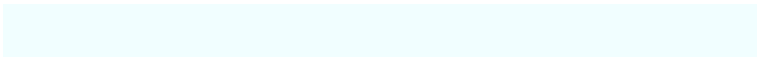
88.8684, 91.1128, 96.1231

# Split Complementary

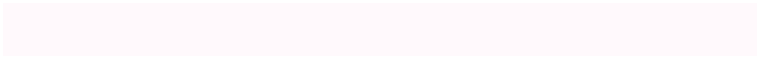
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.4288, 96.8044, 99.5692



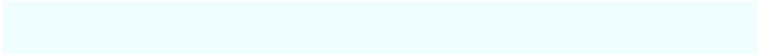
89.7674, 96.8044, 108.5616



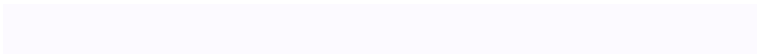
94.5363, 96.8044, 105.9336

# Square

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



89.7674, 96.8044, 108.5616



93.1059, 96.8044, 112.0116



94.2890, 96.8044, 102.3073



90.9221, 96.8044, 99.0606



# Rectangle

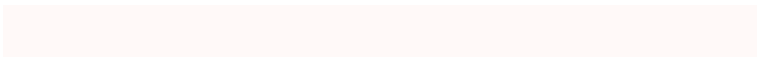
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.7674, 96.8044, 108.5616



91.3943, 96.8044, 112.5281



94.2890, 96.8044, 102.3073



92.6278, 96.8044, 98.5862

# Sweetspot

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



89.7699, 96.8084, 108.5623



93.0831, 98.8146, 108.7749



88.0535, 96.6280, 97.9634



19.9442, 21.1628, 23.2836



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

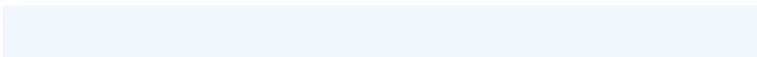
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7699, 96.8084, 108.5623



88.3821, 95.9641, 108.4724



87.6077, 92.4840, 107.8415



18.8004, 20.4689, 23.2100



25.2857, 35.4810, 54.9504



2.4937, 3.5182, 5.3609



# Inverse Universe

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



90.5861, 91.3278, 106.6244



89.4142, 89.0539, 106.0178



90.9728, 95.3216, 96.8246



19.0395, 18.8696, 22.6408



29.5513, 14.3098, 43.1489

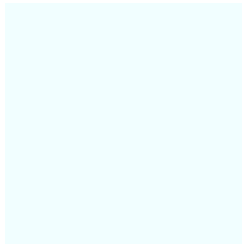


2.8933, 1.3997, 4.2856



# Previews

## White Background



This preview shows how the XYZ color 89.7674, 96.8044, 108.5616 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

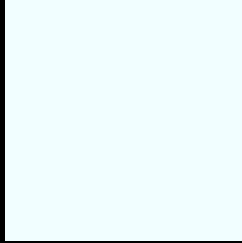
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.7674, 96.8044, 108.5616 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

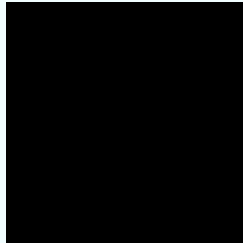
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.7674, 96.8044, 108.5616

## Background



This preview shows how black text looks on a background with the XYZ color 89.7674, 96.8044, 108.5616.



This preview shows how white text looks on a background with the XYZ color 89.7674, 96.8044,



# 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 cyan top section, a light pink middle section, and a light yellow bottom section. These sections correspond to the color simulation results listed to their right.

### Original Color

89.7674, 96.8044, 108.5616

### Protanopia

93.1552, 96.7231, 106.6881

### Deuteranopia

92.9963, 96.6595, 105.8512

## Tritanopia

91.9715, 96.5384, 108.3941

# Trichromacy



**Original Color**

89.7674, 96.8044, 108.5616

**Protanomaly**

91.8109, 96.4741, 107.5483

**Deuteranomaly**

91.6511, 96.4102, 106.7070

**Tritanomaly**

91.2182, 96.6150, 108.4486

# Monochromacy



**Original Color**

89.7674, 96.8044, 108.5616

**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 89.7674, 96.8044, 108.5616 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(241, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 254, 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(241, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 254, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 89.7674, 96.8044, 108.5616 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(241, 254, 255) }
```



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

```
.border{ border-color:rgb(241, 254, 255) }
```

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

Here you see how a box with a 4 pixel rgb(241, 254, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.7674, 96.8044, 108.5616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 254, 255) }
```

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

```
.background{ background-color: rgb(241,  
254, 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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