

# Converting Colors

XYZ(89.4509, 96.1713,  
108.4561)

Have a look what the booklet for  
XYZ(89.4509, 96.1713, 108.4561)  
contains.

<b>XYZ(89.4509, 96.1713, 108.4561)</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(89.4509, 96.1713,  
108.4561)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FDFF
RGB	241, 253, 255
RGB Percent	95%, 99%, 100%
CMY	0.0549, 0.0078, 0.0000
CMYK	0.05, 0.01, 0.00, 0.00
HSL	189°, 100%, 97%
HSV	189°, 5%, 100%
XYZ	89.4509, 96.1713, 108.4561
YIQ	249.6400, -7.7940, -1.9220

# Conversions

## Conversions Part 2

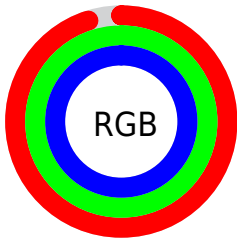
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 247, 255
Decimal	15859199
CIE Lab	98.50, -3.55, -2.32
CIE LCh	99, 4.241, 213.229
Yxy	96.1713, 0.3042, 0.3270
Android (android.graphics.Color)	4294049279 (0xFFFF1FDFF)
YUV	249.6400, 2.6425, -7.5773
Hunter-Lab	98.0670, -8.8000, 3.0757

# Details

The XYZ color 89.4509, 96.1713, 108.4561 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.1669, 91.7099, 96.2228, and the grayscale version is 90.5550, 95.2709, 103.7500.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.9406, 53.8714, 61.1921 is the 20% darker color. If you saturate the color by 10%, you get 80.2130, 89.7252, 107.6988, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

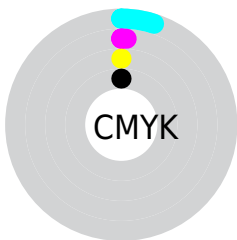
# Distribution



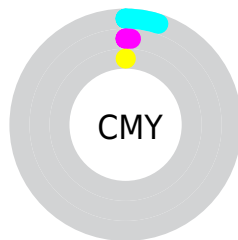
- Red (95%)
- Green (99%)
- Blue (100%)



- 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 89.4509, 96.1713, 108.4561 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 89.4509, 96.1713, 108.4561 by changing the saturation by 10% instead.




 89.4509, 96.1713,  
108.4561

 89.4509, 96.1713,  
108.4561


514.5076,  
547.9080, 608.4534

 67.8601, 73.1102,  
82.7250


145.4577,  
155.8818, 174.8831

 50.0572, 54.0661,  
61.4240


180.6043,  
193.3000, 216.4160

 35.6768, 38.6545,  
44.1347


221.0003,  
236.2728, 264.0532

 24.3536, 26.4911,  
30.4384

267.0110,  
285.1844, 318.2134

 15.7223, 17.1914,  
19.9167

319.0017,  
340.4194, 379.3149

 9.4175, 10.3710,  
12.1510

377.3378,

 5.0738, 5.6456,

402.3620, 447.7764

6.7228

442.3846,  
471.3968, 524.0164

■ 2.3258, 2.6308,  
3.2136

■ 0.8078, 0.9422,  
1.2047

■ 89.4509, 96.1713,  
108.4561

■ 89.4509, 96.1713,  
108.4561

■ 80.2130, 89.7252,  
107.6988

95.0500, 100.0000,  
108.9000

■ 72.1623, 83.9207,  
107.0027

■ 65.2475, 78.7338,  
106.3660

■ 59.4104, 74.1344,  
105.7859

■ 54.5875, 70.0896,  
105.2593

■ 50.7088, 66.5629,  
104.7830

■ 47.6948, 63.5135,  
104.3533

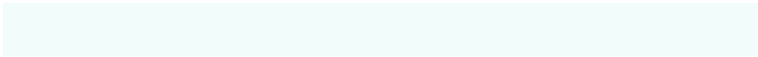
■ 45.4530, 60.8933,  
103.9657

■ 43.8690, 58.6432,  
103.6149

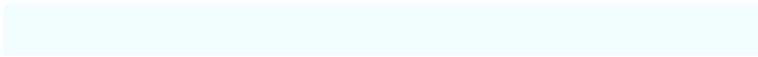
# Harmonies

## Analogous

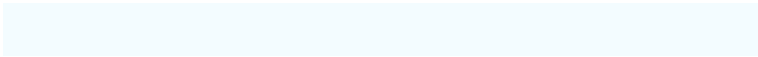
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0753, 96.1713, 105.0947



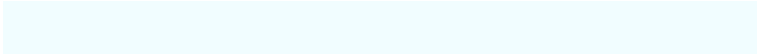
89.4509, 96.1713, 108.4561



90.3506, 96.1713, 110.8559

# Triad

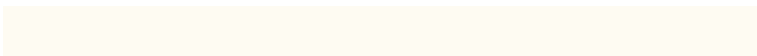
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4509, 96.1713, 108.4561



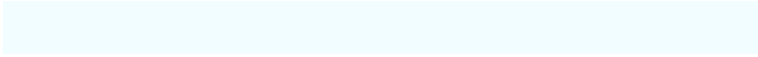
93.5280, 96.1713, 107.7836



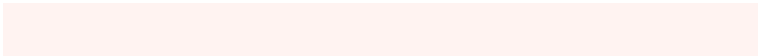
91.2753, 96.1713, 98.1196

# Complementary

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



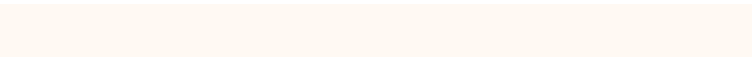
89.4509, 96.1713, 108.4561



89.1669, 91.7099, 96.2228

# 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.



92.4735, 96.1713, 98.8037



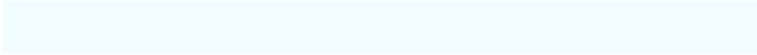
89.4509, 96.1713, 108.4561



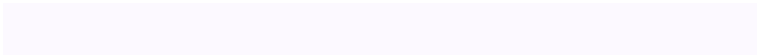
93.7809, 96.1713, 104.3346

# Square

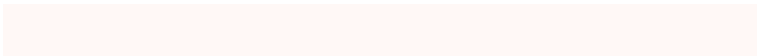
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.4509, 96.1713, 108.4561



92.7053, 96.1713, 110.4615



93.3933, 96.1713, 101.0594



90.1227, 96.1713, 99.1698

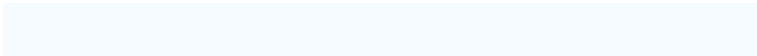


# Rectangle

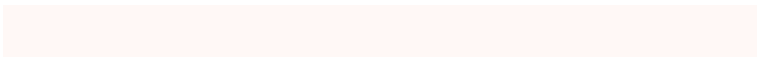
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.4509, 96.1713, 108.4561



91.1304, 96.1713, 111.5599



93.3933, 96.1713, 101.0594



91.6861, 96.1713, 98.1545

# Sweetspot

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



89.4534, 96.1753, 108.4567



92.9672, 98.5828, 108.7362



88.1941, 96.6842, 98.7034



19.9206, 21.1157, 23.2758



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

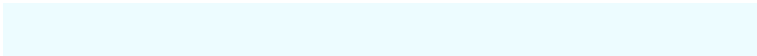


# Same Dimension

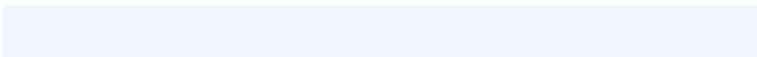
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4534, 96.1753, 108.4567



87.9792, 95.1585, 108.3382



87.3230, 91.9145, 107.7466



18.7068, 20.2818, 23.1788



22.7074, 30.3244, 54.0910



2.2688, 3.0682, 5.2859



# Inverse Universe

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



90.4264, 91.2640, 105.7830



89.2108, 88.9726, 104.9470



91.2619, 95.8998, 96.9211



18.9923, 18.8507, 22.3920



28.2499, 13.7892, 36.2958

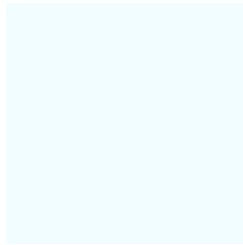


2.7798, 1.3543, 3.6877



# Previews

## White Background



This preview shows how the XYZ color 89.4509, 96.1713, 108.4561 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

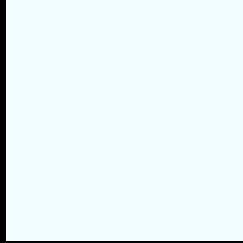
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.4509, 96.1713, 108.4561 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

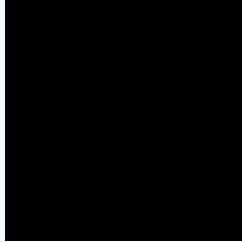
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.4509, 96.1713, 108.4561

## Background



This preview shows how black text looks on a background with the XYZ color 89.4509, 96.1713, 108.4561.



This preview shows how white text looks on a background with the XYZ color 89.4509, 96.1713,



# 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

89.4509, 96.1713, 108.4561

### Protanopia

92.4784, 95.9140, 106.5676

### Deuteranopia

92.6864, 96.0396, 105.7479

## **Tritanopia**

91.6141, 96.3541, 108.3774

# Trichromacy



**Original Color**

89.4509, 96.1713, 108.4561

**Protanomaly**

91.1419, 95.6667, 107.4278

**Deuteranomaly**

91.3396, 95.7871, 106.6031

**Tritanomaly**

90.8664, 96.4336, 108.4321

# Monochromacy

**Original Color**

89.4509, 96.1713, 108.4561

**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 89.4509, 96.1713, 108.4561 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, 253, 255) looks like.

```
.text, #text, p{  
    color:rgb(241, 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(241, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 253, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 89.4509, 96.1713, 108.4561 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, 253, 255) }
```



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

```
.border{ border-color:rgb(241, 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(241, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 253,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.4509, 96.1713, 108.4561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 253, 255) }
```

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

```
.background{ background-color: rgb(241,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor