

# Converting Colors

XYZ(102.8360, 100.0000,  
180.8464)

Have a look what the booklet for  
XYZ(102.8360, 100.0000, 180.8464)  
contains.

<b>XYZ(89.1978, 94.6459, 108.1750)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(89.1978, 94.6459,  
108.1750)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3FAFF
RGB	243, 250, 255
RGB Percent	95%, 98%, 100%
CMY	0.0471, 0.0196, 0.0000
CMYK	0.05, 0.02, 0.00, 0.00
HSL	205°, 100%, 98%
HSV	205°, 5%, 100%
XYZ	89.1978, 94.6459, 108.1750
YIQ	248.4770, -5.7770, 0.0710

# Conversions

## Conversions Part 2

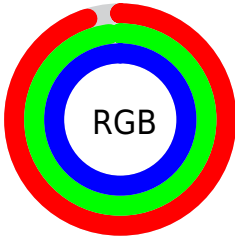
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 247, 255
Decimal	15989503
CIE Lab	97.89, -1.39, -3.20
CIE LCh	98, 3.488, 246.572
Yxy	94.6459, 0.3055, 0.3241
Android (android.graphics.Color)	4294179583 (0xFF3FAFF)
YUV	248.4770, 3.2158, -4.8033
Hunter-Lab	97.2861, -6.5911, 2.1742

# Details

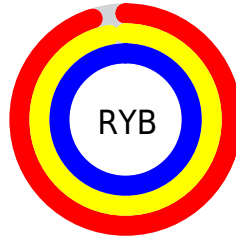
The XYZ color 89.1978, 94.6459, 108.1750 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.9843, 94.8637, 98.3108, and the grayscale version is 89.5935, 94.2594, 102.6485.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.9783, 53.2256, 61.0655 is the 20% darker color. If you saturate the color by 10%, you get 77.7958, 84.0110, 106.7232, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

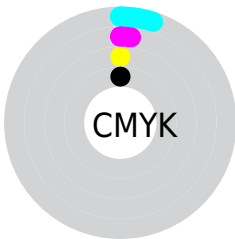
# Distribution



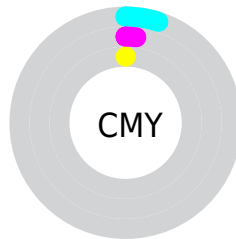
- Red (95%)
- Green (98%)
- Blue (100%)



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



- Cyan (5%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.1978, 94.6459, 108.1750 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 89.1978, 94.6459, 108.1750 by changing the saturation by 10% instead.



89.1978, 94.6459,  
108.1750

89.1978, 94.6459,  
108.1750

513.6947,  
543.0307, 607.5656

67.6496, 71.8403,  
82.4903

145.1076,  
153.7753, 174.4965

49.8853, 53.0282,  
61.2316

180.1999,  
190.8679, 215.9704

35.5397, 37.8253,  
43.9803

220.5376,  
233.4916, 263.5444

24.2474, 25.8471,  
30.3180

266.4861,  
282.0308, 317.6371

15.6430, 16.7093,  
19.8260

318.4107,  
336.8700, 378.6670

9.3611, 10.0275,  
12.0858

376.6768,

5.0364, 5.4172,

398.3934, 447.0527

6.6789

441.6497,  
466.9855, 523.2127

■ 2.3036, 2.4940,  
3.1867

■ 0.7965, 0.8737,  
1.1907

■ 89.1978, 94.6459,  
108.1750

■ 89.1978, 94.6459,  
108.1750

■ 77.7958, 84.0110,  
106.7232

95.0500, 100.0000,  
108.9000

■ 67.7462, 74.3416,  
105.3865

■ 58.9947, 65.6080,  
104.1620

■ 51.4804, 57.7740,  
103.0459

■ 45.1373, 50.8007,  
102.0343

■ 39.8925, 44.6455,  
101.1226

■ 35.6643, 39.2612,  
100.3062

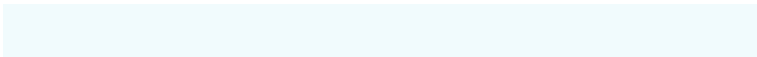
■ 32.3578, 34.5934,  
99.5795

■ 29.8574, 30.5772,  
98.9361

# Harmonies

## Analogous

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



88.4268, 94.6459, 106.3603



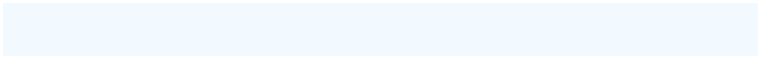
89.1978, 94.6459, 108.1750



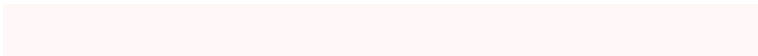
90.1777, 94.6459, 108.6059

# Triad

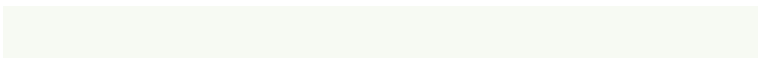
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1978, 94.6459, 108.1750



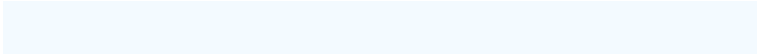
91.8766, 94.6459, 102.4260



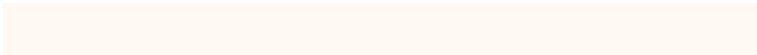
88.8204, 94.6459, 98.7053

# Complementary

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



89.1978, 94.6459, 108.1750



90.9843, 94.8637, 98.3108

# Split Complementary

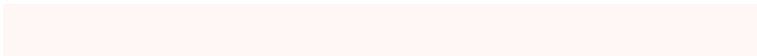
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7388, 94.6459, 97.6932



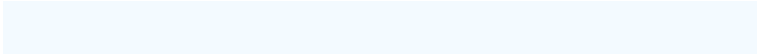
89.1978, 94.6459, 108.1750



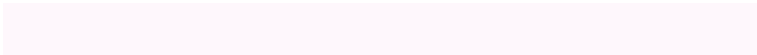
91.5069, 94.6459, 99.8156

# Square

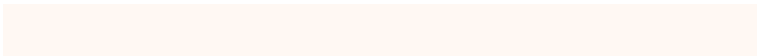
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



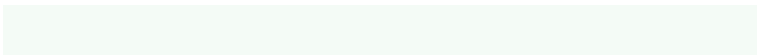
89.1978, 94.6459, 108.1750



91.7291, 94.6459, 105.2523



90.7227, 94.6459, 98.0959

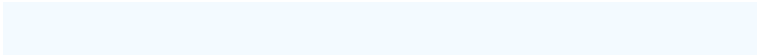


88.2100, 94.6459, 100.8851



# Rectangle

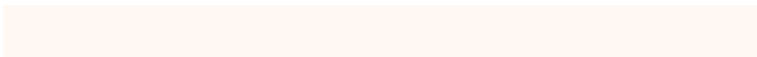
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.1978, 94.6459, 108.1750



90.8186, 94.6459, 108.0435



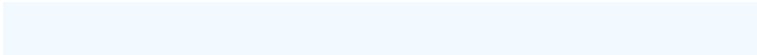
90.7227, 94.6459, 98.0959



89.1030, 94.6459, 98.2191

# Sweetspot

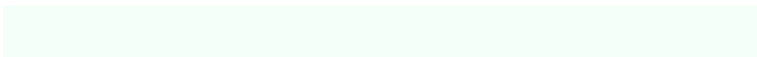
The Sweet Spot groups the original color and five complimentary colors.



89.2002, 94.6498, 108.1756



93.7804, 98.8442, 108.7438



89.6353, 97.3400, 102.7096



20.0862, 21.1689, 23.2773



0.0000, 0.0000, 0.0000

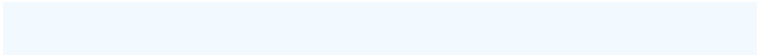


20.3446, 21.4041, 23.3091



# Same Dimension

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



89.2002, 94.6498, 108.1756



87.6452, 93.2164, 107.9809



87.4243, 91.0980, 107.5837



18.5937, 19.7987, 23.0915



15.1860, 15.2816, 51.5838



1.5865, 1.7038, 5.0585



# Inverse Universe

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



90.5474, 92.2649, 103.4837



89.3532, 90.2202, 102.0260



92.7964, 98.4881, 98.9149



18.9979, 19.0930, 21.6815



24.4534, 12.2707, 16.3039

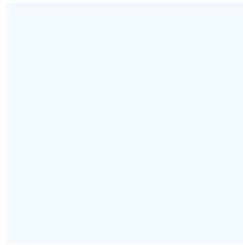


2.4354, 1.2165, 1.8743



# Previews

## White Background



This preview shows how the XYZ color 89.1978, 94.6459, 108.1750 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

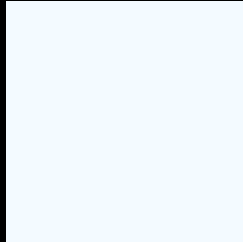
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.1978, 94.6459, 108.1750 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

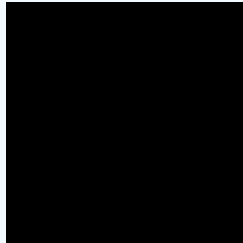
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

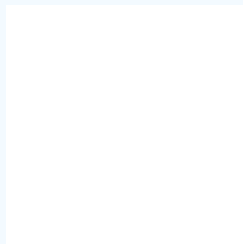
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.1978, 94.6459, 108.1750

## Background



This preview shows how black text looks on a background with the XYZ color 89.1978, 94.6459, 108.1750.



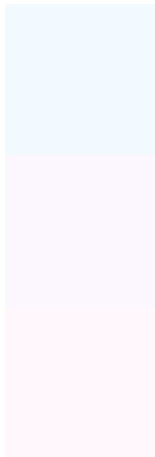
This preview shows how white text looks on a background with the XYZ color 89.1978, 94.6459,

108.750.

# 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

89.1978, 94.6459, 108.1750

### Protanopia

91.2950, 94.3727, 107.1699

### Deuteranopia

91.9134, 94.7466, 104.7103

## **Tritanopia**

90.6371, 94.9278, 108.1536

# Trichromacy



**Original Color**

89.1978, 94.6459, 108.1750

**Protanomaly**

90.5237, 94.4303, 107.2217

**Deuteranomaly**

90.9218, 94.6723, 105.5770

**Tritanomaly**

89.9317, 94.5642, 108.1205

# Monochromacy



**Original Color**

89.1978, 94.6459, 108.1750

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

89.2943, 94.3092, 104.7640

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.1978, 94.6459, 108.1750 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, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 250, 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, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 250, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 89.1978, 94.6459, 108.1750 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, 250, 255) }
```



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

```
.border{ border-color:rgb(243, 250, 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, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 250,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.1978, 94.6459, 108.1750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 250, 255) }
```

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

```
.background{ background-color: rgb(243,  
250, 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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