

# Converting Colors

XYZ(89.1610, 93.6457,  
107.9839)

Have a look what the booklet for  
XYZ(89.1610, 93.6457, 107.9839)  
contains.

<b>XYZ(89.2736, 93.7673, 108.0014)</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(89.2736, 93.7673,  
108.0014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F8FF
RGB	245, 248, 255
RGB Percent	96%, 97%, 100%
CMY	0.0392, 0.0274, 0.0000
CMYK	0.04, 0.03, 0.00, 0.00
HSL	222°, 100%, 98%
HSV	222°, 4%, 100%
XYZ	89.2736, 93.7673, 108.0014
YIQ	247.9010, -4.0350, 1.5410

# Conversions

## Conversions Part 2

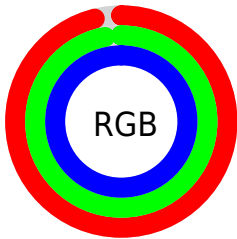
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 247, 255
Decimal	16120063
CIE <sub>Lab</sub>	97.54, 0.28, -3.70
CIE <sub>LCh</sub>	98, 3.714, 274.254
Yxy	93.7673, 0.3067, 0.3222
Android (android.graphics.Color)	4294310143 (0xFF5F8FF)
YUV	247.9010, 3.4998, -2.5442
Hunter-Lab	96.8335, -4.8944, 1.6555

# Details

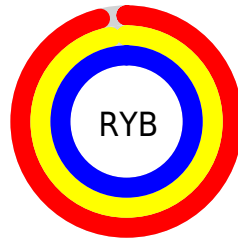
The XYZ color 89.2736, 93.7673, 108.0014 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.5309, 97.4710, 100.3246, and the grayscale version is 89.1191, 93.7603, 102.1049.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.0289, 52.5953, 60.9412 is the 20% darker color. If you saturate the color by 10%, you get 75.7580, 79.0448, 105.8720, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

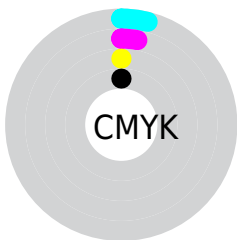
# Distribution



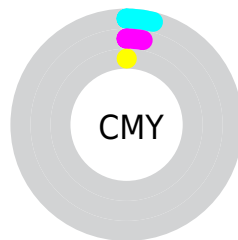
- Red (96%)
- Green (97%)
- Blue (100%)



- Red (96%)
- Yellow (97%)
- Blue (100%)



- Cyan (4%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.2736, 93.7673, 108.0014 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 89.2736, 93.7673, 108.0014 by changing the saturation by 10% instead.




 89.2736, 93.7673,  
108.0014

 89.2736, 93.7673,  
108.0014


513.9382,  
540.2111, 607.0169

 67.7126, 71.1094,  
82.3454

145.2125,  
152.5605, 174.2577

 49.9368, 52.4315,  
61.1128

180.3211,  
189.4646, 215.6951

 35.5808, 37.3491,  
43.8851

220.6762,  
231.8862, 263.2300

 24.2792, 25.4779,  
30.2436

266.6433,  
280.2097, 317.2811

 15.6667, 16.4335,  
19.7700

318.5877,  
334.8196, 378.2667

 9.3780, 9.8314,  
12.0455

376.8748,

 5.0476, 5.2873,

396.1002, 446.6056

6.6518

441.8698,  
464.4359, 522.7161

■ 2.3103, 2.4168,  
3.1702

■ 0.7999, 0.8345,  
1.1822

■ 89.2736, 93.7673,  
108.0014

■ 89.2736, 93.7673,  
108.0014

■ 75.7580, 79.0448,  
105.8720

95.0500, 100.0000,  
108.9000

■ 63.9244, 65.9411,  
103.9665

■ 53.7066, 54.4022,  
102.2778

■ 45.0315, 44.3667,  
100.7980

■ 37.8198, 35.7689,  
99.5185

■ 31.9850, 28.5377,  
98.4303

■ 27.4306, 22.5955,  
97.5234

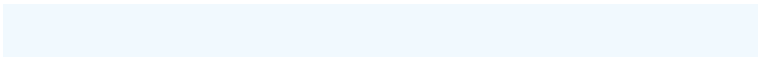
■ 24.0465, 17.8554,  
96.7868

■ 21.7008, 14.2168,  
96.2081

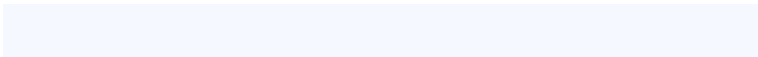
# Harmonies

## Analogous

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



88.2446, 93.7673, 107.4202



89.2736, 93.7673, 108.0014



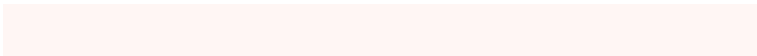
90.2699, 93.7673, 106.9750

# Triad

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



89.2736, 93.7673, 108.0014



90.8105, 93.7673, 98.8609



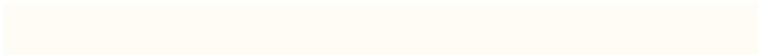
87.3080, 93.7673, 99.5935

# Complementary

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



89.2736, 93.7673, 108.0014



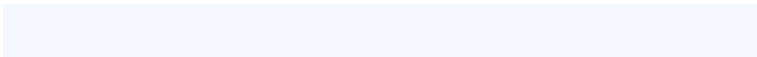
92.5309, 97.4710, 100.3246

# Split Complementary

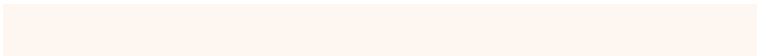
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.9859, 93.7673, 97.3690



89.2736, 93.7673, 108.0014



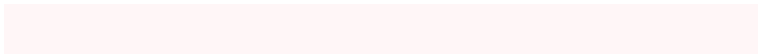
90.0072, 93.7673, 96.9519

# Square

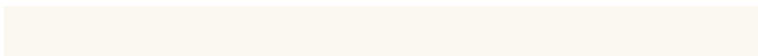
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



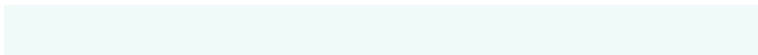
89.2736, 93.7673, 108.0014



91.1616, 93.7673, 101.6662



88.9726, 93.7673, 96.4111

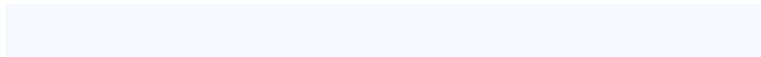


87.1150, 93.7673, 102.5283



# Rectangle

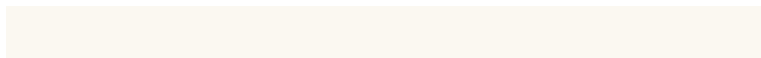
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



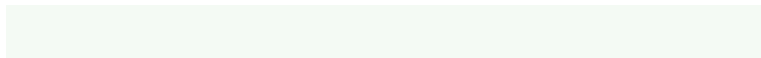
89.2736, 93.7673, 108.0014



90.7798, 93.7673, 105.5288



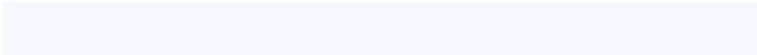
88.9726, 93.7673, 96.4111



87.4865, 93.7673, 98.7397

# Sweetspot

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



89.2760, 93.7712, 108.0020



93.5516, 98.3867, 108.6676



90.9612, 97.9506, 106.0697



20.0397, 21.0758, 23.2618



0.0000, 0.0000, 0.0000

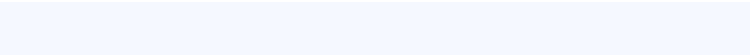


20.3446, 21.4041, 23.3091

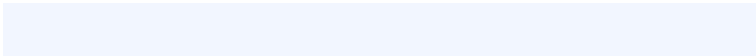


# Same Dimension

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



89.2760, 93.7712, 108.0020



87.7342, 92.1022, 107.7612



89.0025, 92.2701, 107.7267



18.5662, 19.4833, 23.0321



10.9176, 6.7447, 50.1610

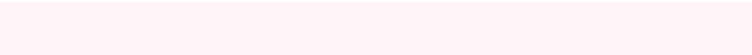


1.1538, 0.8383, 4.9143

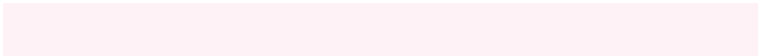


# Inverse Universe

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



90.8371, 93.3436, 102.0412



89.7135, 91.5720, 100.2005



92.8106, 99.0267, 100.6101



19.0476, 19.3562, 21.1928



22.2989, 11.4088, 4.9583

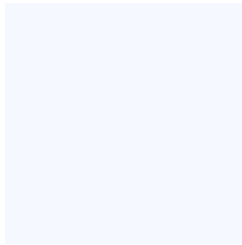


2.2170, 1.1292, 0.7241



# Previews

## White Background



This preview shows how the XYZ color 89.2736, 93.7673, 108.0014 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

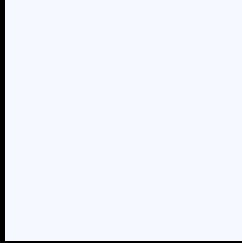
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.2736, 93.7673, 108.0014 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

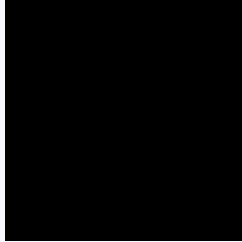
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

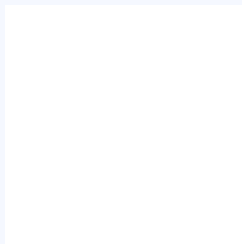
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.2736, 93.7673, 108.0014

## Background



This preview shows how black text looks on a background with the XYZ color 89.2736, 93.7673, 108.0014.



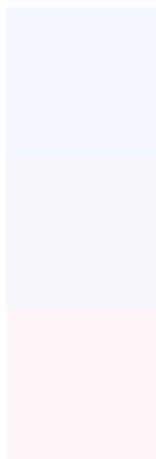
This preview shows how white text looks on a background with the XYZ color 89.2736, 93.7673,



# 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

89.2736, 93.7673, 108.0014

### Protanopia

90.2695, 93.3913, 107.0345

### Deuteranopia

91.3050, 93.5299, 104.5076

## **Tritanopia**

89.6685, 93.5157, 107.9320

# Trichromacy



**Original Color**

89.2736, 93.7673, 108.0014

**Protanomaly**

89.8616, 93.6337, 107.1028

**Deuteranomaly**

90.3101, 93.4490, 105.3731

**Tritanomaly**

89.3168, 93.3344, 107.9156

# Monochromacy



**Original Color**

89.2736, 93.7673, 108.0014

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

89.3378, 93.8740, 104.6777

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.2736, 93.7673, 108.0014 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(245, 248, 255) looks like.

```
.text, #text, p{  
    color:rgb(245, 248, 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(245, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 248, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 89.2736, 93.7673, 108.0014 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(245, 248, 255) }
```



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

```
.border{ border-color:rgb(245, 248, 255) }
```

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

Here you see how a box with a 4 pixel rgb(245, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 248,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.2736, 93.7673, 108.0014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 248, 255) }
```

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

```
.background{ background-color: rgb(245,  
248, 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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