

# Converting Colors

XYZ(89.3675, 91.8350,  
107.6235)

Have a look what the booklet for  
XYZ(89.3675, 91.8350, 107.6235)  
contains.

<b>XYZ(89.4676, 92.0611, 107.6619)</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(89.4676, 92.0611,  
107.6619)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9F4FF
RGB	249, 244, 255
RGB Percent	98%, 96%, 100%
CMY	0.0235, 0.0431, 0.0000
CMYK	0.02, 0.04, 0.00, 0.00
HSL	267°, 100%, 98%
HSV	267°, 4%, 100%
XYZ	89.4676, 92.0611, 107.6619
YIQ	246.7490, -0.5510, 4.4810

# Conversions

## Conversions Part 2

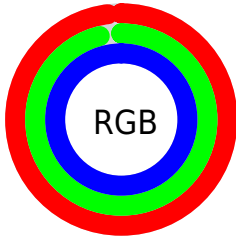
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	249, 244, 255
Decimal	16381183
CIE <sub>Lab</sub>	96.85, 3.62, -4.69
CIE <sub>LCh</sub>	97, 5.921, 307.643
Yxy	92.0611, 0.3094, 0.3183
Android (android.graphics.Color)	4294571263 (0xFF9F4FF)
YUV	246.7490, 4.0677, 1.9741
Hunter-Lab	95.9485, -1.4667, 0.6358

# Details

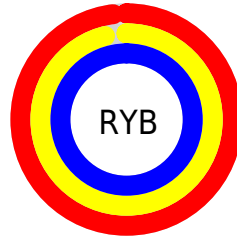
The XYZ color 89.4676, 92.0611, 107.6619 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.5158, 98.3768, 99.7578, and the grayscale version is 88.1747, 92.7667, 101.0229.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.1686, 51.3811, 60.6995 is the 20% darker color. If you saturate the color by 10%, you get 77.5432, 75.3029, 105.0557, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

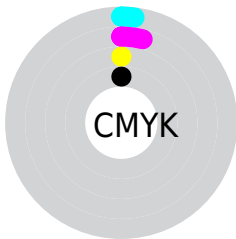
# Distribution



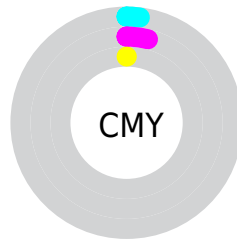
- Red (98%)
- Green (96%)
- Blue (100%)



- Red (98%)
- Yellow (96%)
- Blue (100%)



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.4676, 92.0611, 107.6619 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 89.4676, 92.0611, 107.6619 by changing the saturation by 10% instead.



89.4676, 92.0611,  
107.6619

89.4676, 92.0611,  
107.6619

514.5612,  
534.7130, 605.9432

67.8740, 69.6914,  
82.0621

145.4808,  
150.1981, 173.7906

50.0685, 51.2750,  
60.8806

180.6310,  
186.7341, 215.1566

35.6859, 36.4275,  
43.6989

221.0308,  
228.7610, 262.6150

24.3607, 24.7645,  
30.0984

267.0456,  
276.6633, 316.5845

15.7276, 15.9017,  
19.6606

319.0407,  
330.8252, 377.4835

9.4212, 9.4546,  
11.9670

377.3814,

5.0762, 5.0389,

391.6312, 445.7306

6.5989

442.4331,  
459.4656, 521.7443

■ 2.3273, 2.2701,  
3.1379

■ 0.8086, 0.7578,  
1.1655

■ 89.4676, 92.0611,  
107.6619

■ 89.4676, 92.0611,  
107.6619

■ 77.5432, 75.3029,  
105.0557

95.0500, 100.0000,  
108.9000

■ 66.9939, 60.7624,  
102.8051

■ 57.7676, 48.3467,  
100.8949

■ 49.8060, 37.9515,  
99.3081

■ 43.0460, 29.4639,  
98.0261

■ 37.4185, 22.7592,  
97.0285

■ 32.8464, 17.6972,  
96.2925

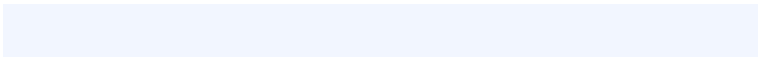
■ 29.2410, 14.1159,  
95.7912

■ 26.4958, 11.8173,  
95.4922

# Harmonies

## Analogous

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



87.9270, 92.0611, 109.5861



89.4676, 92.0611, 107.6619



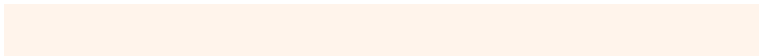
90.4902, 92.0611, 103.7606

# Triad

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



89.4676, 92.0611, 107.6619



88.7225, 92.0611, 92.0106



84.3721, 92.0611, 101.4611

# Complementary

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



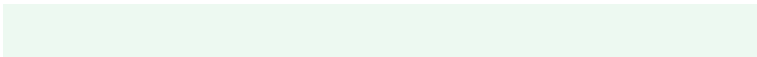
89.4676, 92.0611, 107.6619



91.5158, 98.3768, 99.7578

# 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.



84.5790, 92.0611, 96.7978



89.4676, 92.0611, 107.6619



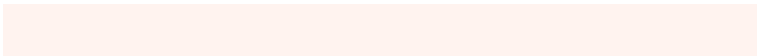
87.0770, 92.0611, 91.4389

# Square

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



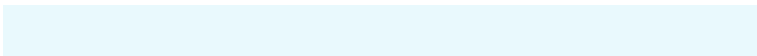
89.4676, 92.0611, 107.6619



90.0562, 92.0611, 94.7525



85.5641, 92.0611, 93.1652

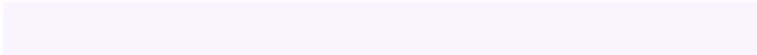


84.9952, 92.0611, 105.9331



# Rectangle

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



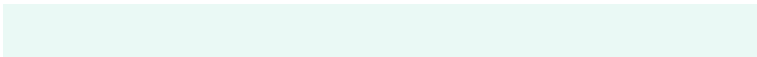
89.4676, 92.0611, 107.6619



90.7333, 92.0611, 100.6157



85.5641, 92.0611, 93.1652



84.3470, 92.0611, 99.8630

# Sweetspot

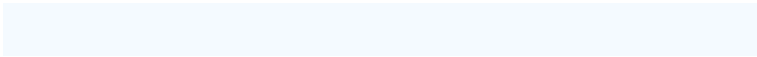
The Sweet Spot groups the original color and five complimentary colors.



89.4700, 92.0649, 107.6625



93.7319, 98.1209, 108.6068



89.5622, 94.8581, 108.1967



20.0764, 21.0217, 23.2494



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.



89.4700, 92.0649, 107.6625



88.6035, 90.8376, 107.4713



91.4405, 93.0808, 107.7547



18.7770, 19.1773, 22.9619



13.3533, 5.7944, 49.8492



1.4241, 0.6281, 4.8594



# Inverse Universe

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



90.8484, 92.8673, 103.5828



90.1977, 91.7656, 102.7499



89.5913, 97.3846, 99.6677



19.1651, 19.4032, 21.8117



24.0650, 12.1153, 14.2584

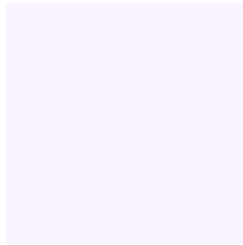


2.3983, 1.2017, 1.6787



# Previews

## White Background



This preview shows how the XYZ color 89.4676, 92.0611, 107.6619 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

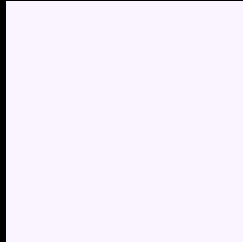
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.4676, 92.0611, 107.6619 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 89.4676, 92.0611, 107.6619

## Background



This preview shows how black text looks on a background with the XYZ color 89.4676, 92.0611, 107.6619.



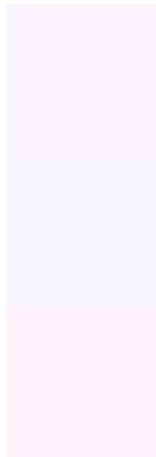
This preview shows how white text looks on a background with the XYZ color 89.4676, 92.0611, 107.6619.

107.619.

# 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

89.4676, 92.0611, 107.6619

### Protanopia

89.0602, 92.2990, 107.7292

### Deuteranopia

90.4047, 91.7293, 104.2075

## **Tritanopia**

89.1121, 91.8778, 107.6452

# Trichromacy



## Original Color

89.4676, 92.0611, 107.6619

## Protanomaly

89.4138, 92.4813, 107.7458

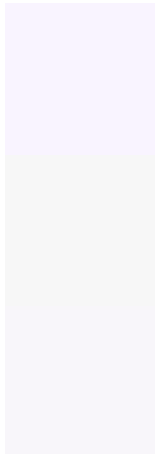
## Deuteranomaly

90.1293, 92.0121, 105.1052

## Tritanomaly

89.1121, 91.8778, 107.6452

# Monochromacy



## Original Color

89.4676, 92.0611, 107.6619

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

88.9225, 92.7701, 103.6622

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.4676, 92.0611, 107.6619 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(249, 244, 255) looks like.

```
.text, #text, p{  
    color:rgb(249, 244, 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(249, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 244, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 89.4676, 92.0611, 107.6619 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(249, 244, 255) }
```



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

```
.border{ border-color:rgb(249, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 244, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 244, 255); box-shadow:4px 4px 4px 4px rgb(249, 244, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.4676, 92.0611, 107.6619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 244, 255) }
```

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

```
.background{ background-color: rgb(249,  
244, 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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