

# Converting Colors

XYZ(89.1678, 92.0158,  
100.1835)

Have a look what the booklet for  
XYZ(89.1678, 92.0158, 100.1835)  
contains.

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# **Color**

**XYZ(89.1301, 92.0506,  
100.2587)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCF4F6
RGB	252, 244, 246
RGB Percent	99%, 96%, 96%
CMY	0.0118, 0.0431, 0.0353
CMYK	0.00, 0.03, 0.02, 0.01
HSL	345°, 57%, 97%
HSV	345°, 3%, 99%
XYZ	89.1301, 92.0506, 100.2587
YIQ	246.6200, 4.1260, 2.3180

# Conversions

## Conversions Part 2

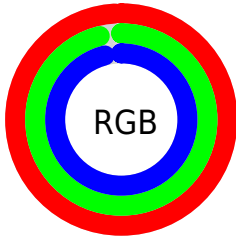
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 244, 246
Decimal	16577782
CIE <sub>Lab</sub>	96.84, 3.02, -0.02
CIE <sub>LCh</sub>	97, 3.018, 359.616
Yxy	92.0506, 0.3167, 0.3271
Android (android.graphics.Color)	4294767862 (0xFFFCF4F6)
YUV	246.6200, -0.3057, 4.7183
Hunter-Lab	95.9430, -2.0755, 5.2031

# Details

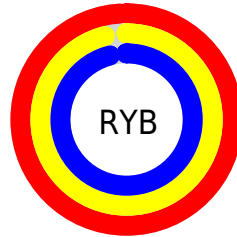
The XYZ color 89.1301, 92.0506, 100.2587 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.3774, 95.7584, 104.2197, and the grayscale version is 88.1018, 92.6900, 100.9394.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.7832, 51.2862, 55.9906 is the 20% darker color. If you saturate the color by 10%, you get 79.3041, 76.8086, 83.3854, and if you desaturate by 10%, it is 93.9554, 99.4357, 108.8488.

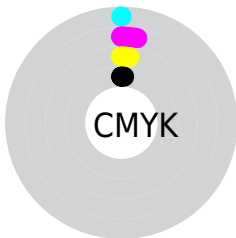
# Distribution



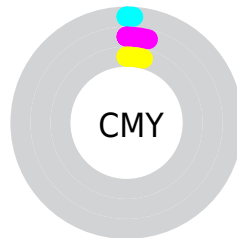
- Red (99%)
- Green (96%)
- Blue (96%)



- Red (99%)
- Yellow (96%)
- Blue (96%)



- Cyan (0%)
- Magenta (3%)
- Yellow (2%)
- Black (1%)



- Cyan (1%)
- Magenta (4%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.1301, 92.0506, 100.2587 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 89.1301, 92.0506, 100.2587 by changing the saturation by 10% instead.



89.1301, 92.0506,  
100.2587

89.1301, 92.0506,  
100.2587

513.4772,  
534.6790, 582.2755

67.5933, 69.6827,  
75.8985

145.0140,  
150.1835, 163.5676

49.8394, 51.2679,  
55.8431

180.0917,  
186.7173, 203.3535

35.5031, 36.4218,  
39.6740

220.4138,  
228.7418, 249.1182

24.2190, 24.7602,  
26.9726

266.3457,  
276.6414, 301.2805

15.6218, 15.8985,  
17.3204

318.2526,  
330.8005, 360.2589

9.3460, 9.4523,  
10.2988

376.4999,

5.0265, 5.0374,

391.6036, 426.4718

5.4894

441.4530,  
459.4350, 500.3378

■ 2.2977, 2.2692,  
2.4734

■ 0.7935, 0.7573,  
0.8260

■ 89.1301, 92.0506,  
100.2587

■ 89.1301, 92.0506,  
100.2587

■ 79.3041, 76.8086,  
83.3854

■ 93.9554, 99.4357,  
108.8488

■ 70.7571, 63.6670,  
68.3518

■ 63.4379, 52.5369,  
55.0964

■ 57.2888, 43.3184,  
43.5522

■ 52.2472, 35.9029,  
33.6476

■ 48.2448, 30.1711,  
25.3060

■ 45.2052, 25.9889,  
18.4442

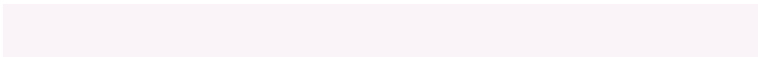
■ 43.0408, 23.2017,  
12.9706

■ 41.6471, 21.6222,  
8.7820

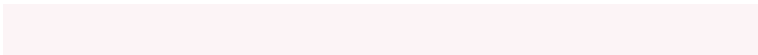
# Harmonies

## Analogous

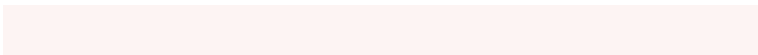
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9039, 92.0506, 102.6052



89.1301, 92.0506, 100.2587



88.9149, 92.0506, 97.9400

# Triad

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



89.1301, 92.0506, 100.2587



86.6889, 92.0506, 96.2269



86.6701, 92.0506, 104.3053

# Complementary

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



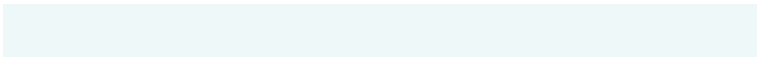
89.1301, 92.0506, 100.2587



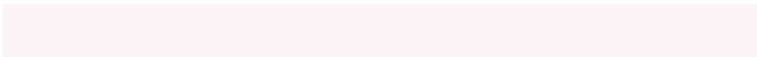
89.3774, 95.7584, 104.2197

# Split Complementary

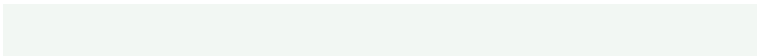
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.0831, 92.0506, 102.5503



89.1301, 92.0506, 100.2587



86.0939, 92.0506, 97.8867

# Square

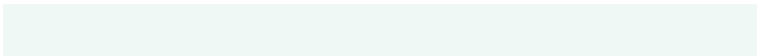
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



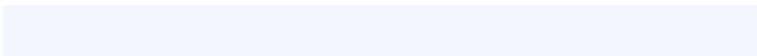
89.1301, 92.0506, 100.2587



87.5022, 92.0506, 95.6351



85.8728, 92.0506, 100.1962



87.4804, 92.0506, 104.9645



# Rectangle

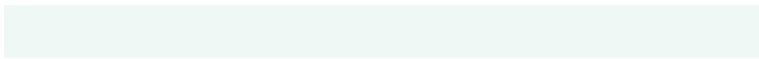
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



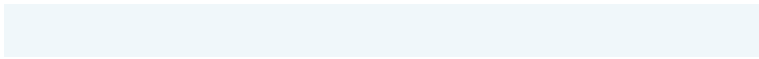
89.1301, 92.0506, 100.2587



88.5508, 92.0506, 96.7163



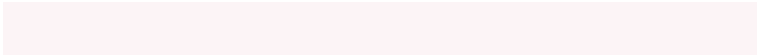
85.8728, 92.0506, 100.1962



86.4403, 92.0506, 103.8226

# Sweetspot

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



89.1327, 92.0546, 100.2607



93.9353, 98.2612, 107.0162



89.3487, 92.0578, 105.1564



20.1178, 21.0503, 22.9257



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.



89.1327, 92.0546, 100.2607



90.6739, 93.1807, 101.4826



89.4327, 93.1422, 98.8573



18.4177, 18.8416, 20.5188



21.4271, 10.9866, 3.6915

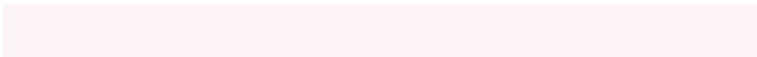


2.0250, 1.0337, 0.5551

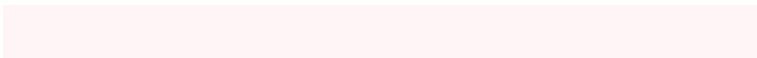


# Inverse Universe

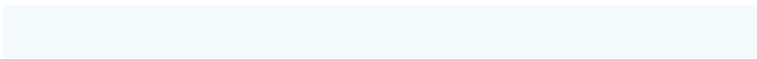
The Inverse Universe completely reimagines the original color for something new.



89.1327, 92.0546, 100.2607



90.6739, 93.1807, 101.4826



89.0676, 94.6353, 105.6688



18.4177, 18.8416, 20.5188



21.4271, 10.9866, 3.6915

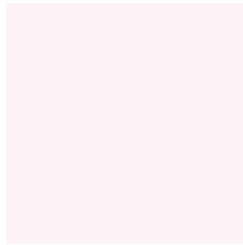


2.0250, 1.0337, 0.5551



# Previews

## White Background



This preview shows how the XYZ color 89.1301, 92.0506, 100.2587 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 89.1301, 92.0506, 100.2587 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

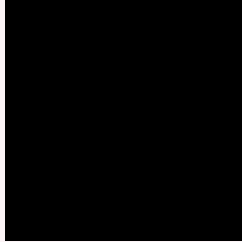
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

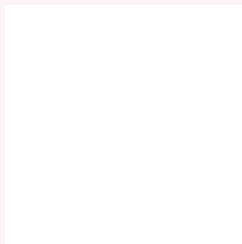
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.1301, 92.0506, 100.2587

## Background



This preview shows how black text looks on a background with the XYZ color 89.1301, 92.0506, 100.2587.



This preview shows how white text looks on a background with the XYZ color 89.1301, 92.0506,

100.2587.

# 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

89.1301, 92.0506, 100.2587

### Protanopia

88.7113, 92.2826, 100.3255

### Deuteranopia

89.9251, 92.0150, 100.2099



## Tritanopia

89.8843, 91.8304, 107.5954

# Trichromacy



**Original Color**

89.1301, 92.0506, 100.2587

**Protanomaly**

89.0706, 92.4679, 100.3423

**Deuteranomaly**

89.5582, 91.8258, 100.1927

**Tritanomaly**

89.4049, 91.6387, 105.0714

# Monochromacy



**Original Color**

89.1301, 92.0506, 100.2587

**Achromatopsia**

88.4070, 93.0111, 101.2891

**Achromatomaly**

88.8112, 92.7667, 101.2206

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.1301, 92.0506, 100.2587 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(252, 244, 246) looks like.

```
.text, #text, p{  
    color:rgb(252, 244, 246)  
}
```

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(252, 244, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 244, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 89.1301, 92.0506, 100.2587 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(252, 244, 246) }
```



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

```
.border{ border-color:rgb(252, 244, 246) }
```

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

Here you see how a box with a 4 pixel rgb(252, 244, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 244, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 244, 246);  
box-shadow:4px 4px 4px 4px rgb(252, 244,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.1301, 92.0506, 100.2587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 244, 246) }
```

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

```
.background{ background-color: rgb(252,  
244, 246) }
```

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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