

# Converting Colors

XYZ(108.0022, 100.0000,  
197.7949)

Have a look what the booklet for  
XYZ(108.0022, 100.0000, 197.7949)  
contains.

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# Color

**XYZ(90.8473, 93.2203,  
107.8129)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCF5FF
RGB	252, 245, 255
RGB Percent	99%, 96%, 100%
CMY	0.0118, 0.0392, 0.0000
CMYK	0.01, 0.04, 0.00, 0.00
HSL	282°, 100%, 98%
HSV	282°, 4%, 100%
XYZ	90.8473, 93.2203, 107.8129
YIQ	248.2330, 0.9620, 4.5940

# Conversions

## Conversions Part 2

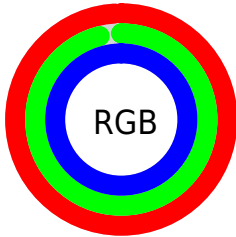
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 245, 255
Decimal	16578047
CIE Lab	97.32, 4.09, -3.97
CIE LCh	97, 5.699, 315.859
Yxy	93.2203, 0.3112, 0.3194
Android (android.graphics.Color)	4294768127 (0xFFFCF5FF)
YUV	248.2330, 3.3361, 3.3037
Hunter-Lab	96.5507, -1.0079, 1.3795

# Details

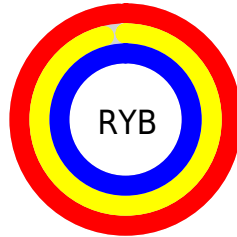
The XYZ color 90.8473, 93.2203, 107.8129 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.9553, 98.0702, 100.5266, and the grayscale version is 89.3889, 94.0441, 102.4140.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.8963, 52.0745, 60.7949 is the 20% darker color. If you saturate the color by 10%, you get 80.9440, 77.4435, 105.2896, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

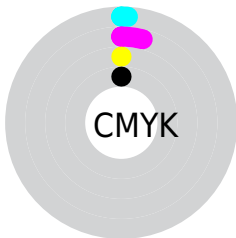
# Distribution



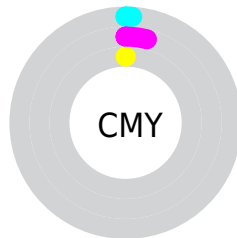
- Red (99%)
- Green (96%)
- Blue (100%)



- Red (99%)
- Yellow (96%)
- Blue (100%)



- Cyan (1%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (1%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.8473, 93.2203, 107.8129 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 90.8473, 93.2203, 107.8129 by changing the saturation by 10% instead.



90.8473, 93.2203,  
107.8129

90.8473, 93.2203,  
107.8129

518.9801,  
538.4516, 606.4209

69.0222, 70.6546,  
82.1881

147.3872,  
151.8036, 173.9984

51.0065, 52.0604,  
60.9839

182.8326,  
188.5900, 215.3961

36.4348, 37.0532,  
43.7817

223.5489,  
230.8854, 262.8886

24.9419, 25.2487,  
30.1630

269.9014,  
279.0742, 316.8943

16.1623, 16.2624,  
19.7092

322.2554,  
333.5409, 377.8319

9.7306, 9.7101,  
12.0019

380.9763,

5.2816, 5.2071,

394.6697, 446.1198

6.6224

446.4294,  
462.8452, 522.1766

■ 2.4499, 2.3693,  
3.1523

■ 0.8700, 0.8100,  
1.1729

■ 90.8473, 93.2203,  
107.8129

■ 90.8473, 93.2203,  
107.8129

■ 80.9440, 77.4435,  
105.2896

95.0500, 100.0000,  
108.9000

■ 72.1684, 63.7593,  
103.1108

■ 64.4755, 52.0788,  
101.2617

■ 57.8142, 42.3018,  
99.7257

■ 52.1291, 34.3194,  
98.4845

■ 47.3590, 28.0114,  
97.5184

■ 43.4353, 23.2428,  
96.8048

■ 40.2786, 19.8567,  
96.3175

■ 37.7920, 17.6617,  
96.0249

# Harmonies

## Analogous

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



89.4533, 93.2203, 110.2865



90.8473, 93.2203, 107.8129



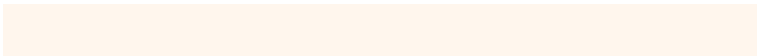
91.6445, 93.2203, 103.6864

# Triad

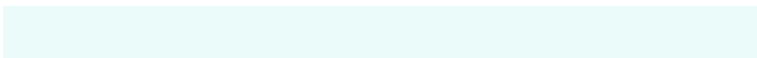
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.8473, 93.2203, 107.8129



89.3629, 93.2203, 93.1299



85.6533, 93.2203, 103.9476

# Complementary

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



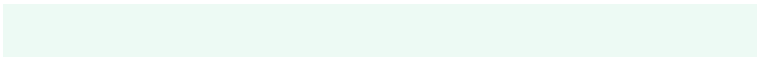
90.8473, 93.2203, 107.8129



90.9553, 98.0702, 100.5266

# Split Complementary

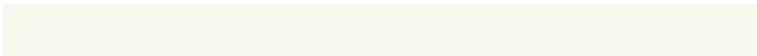
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6298, 93.2203, 99.3467



90.8473, 93.2203, 107.8129



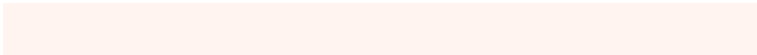
87.7583, 93.2203, 93.1950

# Square

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



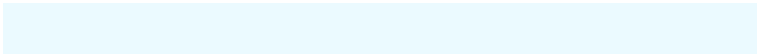
90.8473, 93.2203, 107.8129



90.7804, 93.2203, 95.2598



86.3962, 93.2203, 95.4405



86.4609, 93.2203, 108.0091

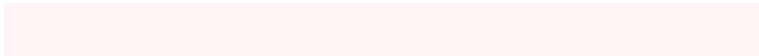


# Rectangle

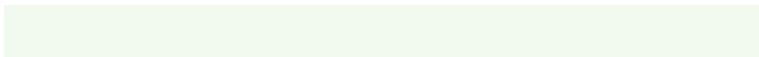
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



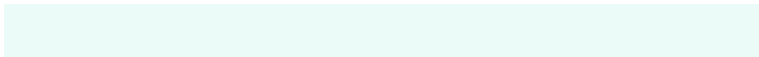
90.8473, 93.2203, 107.8129



91.7240, 93.2203, 100.5971



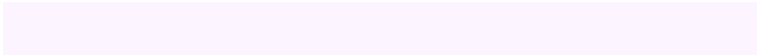
86.3962, 93.2203, 95.4405



85.5538, 93.2203, 102.4104

# Sweetspot

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



90.8497, 93.2242, 107.8135



93.9610, 98.2390, 108.6175



89.3282, 93.8734, 108.0190



20.1230, 21.0457, 23.2516



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.



90.8497, 93.2242, 107.8135



89.7233, 91.4149, 107.5237



91.6506, 93.6710, 106.3185



19.0493, 19.3177, 22.9746



19.2428, 8.8305, 50.1248

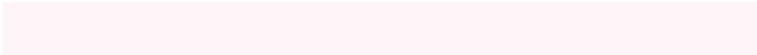


1.9840, 0.9167, 4.8856



# Inverse Universe

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



90.8382, 93.3460, 102.0403



89.7127, 91.5716, 100.1960



90.1818, 97.6390, 101.9580



19.0474, 19.3561, 21.1917



22.2968, 11.4080, 4.9472

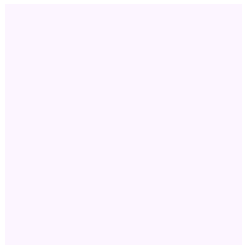


2.2168, 1.1291, 0.7228



# Previews

## White Background



This preview shows how the XYZ color 90.8473, 93.2203, 107.8129 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

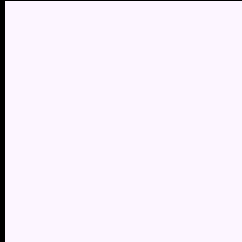
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.8473, 93.2203, 107.8129 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 90.8473, 93.2203, 107.8129

## Background



This preview shows how black text looks on a background with the XYZ color 90.8473, 93.2203, 107.8129.



This preview shows how white text looks on a background with the XYZ color 90.8473, 93.2203,



# 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**

90.8473, 93.2203, 107.8129

**Protanopia**

90.0727, 93.2713, 107.8636

**Deuteranopia**

91.0033, 92.9264, 104.4070



## Tritanopia

90.4301, 93.4555, 107.8803

# Trichromacy



**Original Color**

90.8473, 93.2203, 107.8129

**Protanomaly**

90.4301, 93.4555, 107.8803

**Deuteranomaly**

90.7944, 92.8005, 105.2224

**Tritanomaly**

90.7894, 93.6408, 107.8971

# Monochromacy



**Original Color**

90.8473, 93.2203, 107.8129

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

89.7403, 93.6263, 104.6087

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.8473, 93.2203, 107.8129 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, 245, 255) looks like.

```
.text, #text, p{  
    color:rgb(252, 245, 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(252, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 245, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 90.8473, 93.2203, 107.8129 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, 245, 255) }
```



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

```
.border{ border-color:rgb(252, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 245,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.8473, 93.2203, 107.8129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 245, 255) }
```

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

```
.background{ background-color: rgb(252,  
245, 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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