

# Converting Colors

XYZ(70.2583, 58.2459, 93.9262)

Have a look what the booklet for  
XYZ(70.2583, 58.2459, 93.9262)  
contains.

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# Color

**XYZ(70.2577, 58.2452,  
93.9257)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5B3F5
RGB	245, 179, 245
RGB Percent	96%, 70%, 96%
CMY	0.0392, 0.2980, 0.0392
CMYK	0.00, 0.27, 0.00, 0.04
HSL	300°, 77%, 83%
HSV	300°, 27%, 96%
XYZ	70.2577, 58.2452, 93.9257
YIQ	206.2580, 18.1500, 34.5180

# Conversions

## Conversions Part 2

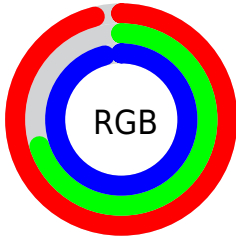
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 179, 245
Decimal	16102389
CIE Lab	80.87, 34.52, -23.36
CIE LCh	81, 41.684, 325.913
Yxy	58.2452, 0.3159, 0.2619
Android (android.graphics.Color)	4294292469 (0xFFFF5B3F5)
YUV	206.2580, 19.0998, 33.9767
Hunter-Lab	76.3185, 30.7670, -19.5456

# Details

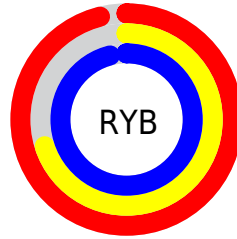
The XYZ color **70.2577, 58.2452, 93.9257** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **59.3818, 78.1450, 54.6047**, and the grayscale version is **58.7063, 61.7636, 67.2606**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **37.2580, 29.0327, 51.7843** is the 20% darker color. If you saturate the color by 10%, you get **65.7775, 49.2837, 92.4328**, and if you desaturate by 10%, it is **75.6139, 68.9565, 95.7119**.

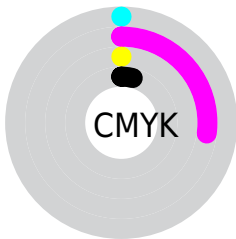
# Distribution



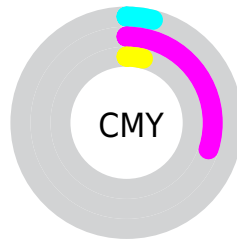
- Red (96%)
- Green (70%)
- Blue (96%)



- Red (96%)
- Yellow (70%)
- Blue (96%)



- Cyan (0%)
- Magenta (27%)
- Yellow (0%)
- Black (4%)



- Cyan (4%)
- Magenta (30%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2577, 58.2452, 93.9257 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 70.2577, 58.2452, 93.9257 by changing the saturation by 10% instead.



70.2577, 58.2452,  
93.9257

70.2577, 58.2452,  
93.9257

450.7066,  
418.0990, 561.6162

52.0170, 42.0058,  
70.6492

118.6004,  
102.2798, 154.7624

37.2430, 29.1058,  
51.5759

149.4332,  
130.8439, 193.1596

25.5702, 19.1609,  
36.2872

185.1940,  
164.2849, 237.4342

16.6334, 11.7866,  
24.3647

226.2483,  
202.9874, 288.0047

10.0671, 6.5985,  
15.3897

272.9613,  
247.3356, 345.2896

5.5061, 3.2123,  
8.9437

325.6985,

2.5849, 1.2436,

297.7140, 409.7075

4.6081

384.8251,  
354.5070, 481.6768

■ 0.9383, 0.0969,  
1.9646

■ 0.0000, 0.0000,  
0.5334

■ 70.2577, 58.2452,  
93.9257

■ 70.2577, 58.2452,  
93.9257

■ 65.7775, 49.2837,  
92.4328

■ 75.6139, 68.9565,  
95.7119

■ 62.1216, 41.9720,  
91.2140

■ 81.8834, 81.4954,  
97.8018

■ 59.2414, 36.2117,  
90.2538

■ 89.1079, 95.9444,  
100.2102

■ 57.0810, 31.8909,  
89.5335

■ 89.8985, 97.5255,  
100.4738

55.5770, 28.8829,  
89.0320

89.8985, 97.5255,  
100.4740

54.6548, 27.0386,  
88.7245

89.8985, 97.5255,  
100.4741

54.2196, 26.1682,  
88.5793

89.8986, 97.5255,  
100.4743

54.1381, 26.0053,  
88.5521

89.8986, 97.5255,  
100.4744

89.8986, 97.5255,  
100.4746

# Harmonies

## Analogous

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



62.9264, 58.2452, 116.4312



70.2577, 58.2452, 93.9257



73.5988, 58.2452, 66.8633

# Triad

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



70.2577, 58.2452, 93.9257



56.5502, 58.2452, 26.8693



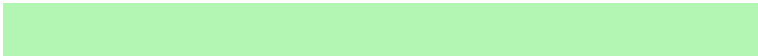
41.7468, 58.2452, 86.5148

# Complementary

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



70.2577, 58.2452, 93.9257



59.3818, 78.1450, 54.6047

# 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.



40.4151, 58.2452, 60.0953



70.2577, 58.2452, 93.9257



48.4264, 58.2452, 29.5807

# Square

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



70.2577, 58.2452, 93.9257



65.1817, 58.2452, 31.6628



42.7334, 58.2452, 40.3566



46.5787, 58.2452, 111.4313



# Rectangle

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



70.2577, 58.2452, 93.9257



72.8839, 58.2452, 51.2708



42.7334, 58.2452, 40.3566



40.8980, 58.2452, 77.3492

# Sweetspot

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



70.2595, 58.2478, 93.9269



88.8839, 87.6679, 106.8445



51.1945, 48.4194, 93.0351



18.7928, 18.3004, 22.7918



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.



70.2595, 58.2478, 93.9269



74.3103, 58.5207, 101.9863



65.6620, 56.4088, 69.7169



17.2137, 16.7683, 20.8719



29.1649, 14.0094, 47.7041



2.5633, 1.2313, 4.1927



# Inverse Universe

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



70.2595, 58.2478, 93.9269



74.3103, 58.5207, 101.9863



63.1286, 79.6438, 74.3352



17.2137, 16.7683, 20.8719



29.1649, 14.0094, 47.7041



2.5633, 1.2313, 4.1927



# Previews

## White Background



This preview shows how the XYZ color 70.2577, 58.2452, 93.9257 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

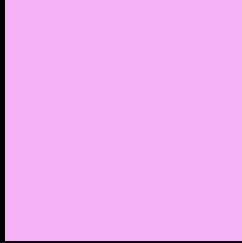
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.2577, 58.2452, 93.9257 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 70.2577, 58.2452, 93.9257**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.2577, 58.2452, 93.9257.



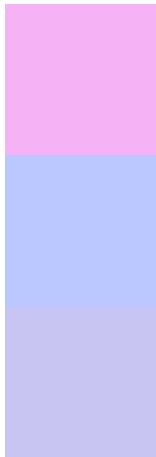
This preview shows how white text looks on a background with the XYZ color 70.2577, 58.2452,

93.9257.

# 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

70.2577, 58.2452, 93.9257

### Protanopia

58.9669, 58.6316, 102.8169

### Deuteranopia

60.0807, 58.7608, 92.1798



## Tritanopia

64.0276, 58.1556, 63.7277

# Trichromacy



## Original Color

70.2577, 58.2452, 93.9257



## Protanomaly

62.2746, 58.0742, 99.1940



## Deuteranomaly

63.2064, 58.0497, 92.6674



## Tritanomaly

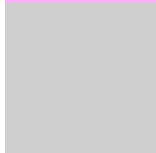
66.0710, 58.0437, 74.0509

# Monochromacy



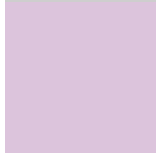
## Original Color

70.2577, 58.2452, 93.9257



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

62.1734, 59.8628, 75.9879

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.2577, 58.2452, 93.9257 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, 179, 245)` looks like.

```
.text, #text, p{  
    color:rgb(245, 179, 245)  
}
```

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, 179, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 179, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 70.2577, 58.2452, 93.9257 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, 179, 245) }
```



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

```
.border{ border-color:rgb(245, 179, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 179, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 179, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 179, 245);  
box-shadow:4px 4px 4px 4px rgb(245, 179,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.2577, 58.2452, 93.9257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 179, 245) }
```

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

```
.background{ background-color: rgb(245,  
179, 245) }
```

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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