

# Converting Colors

XYZ(59.7909, 39.0895, 54.2300)

Have a look what the booklet for  
XYZ(59.7909, 39.0895, 54.2300)  
contains.

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# Color

**XYZ(57.1157, 37.7884,  
54.1527)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF75C0
RGB	255, 117, 192
RGB Percent	100%, 46%, 75%
CMY	0.0000, 0.5411, 0.2471
CMYK	0.00, 0.54, 0.25, 0.00
HSL	327°, 100%, 73%
HSV	327°, 54%, 100%
XYZ	57.1157, 37.7884, 54.1527
YIQ	166.8120, 58.1730, 52.5810

# Conversions

## Conversions Part 2

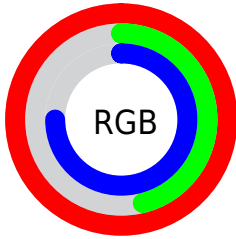
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 117, 192
Decimal	16741824
CIE Lab	67.86, 60.45, -13.87
CIE LCh	68, 62.017, 347.081
Yxy	37.7884, 0.3832, 0.2535
Android (android.graphics.Color)	4294931904 (0xFFFF75C0)
YUV	166.8120, 12.4177, 77.3409
Hunter-Lab	61.4723, 58.2731, -9.1997

# Details

The XYZ color **57.1157, 37.7884, 54.1527** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **51.3361, 78.5980, 55.6491**, and the grayscale version is **36.5622, 38.4663, 41.8898**.

A 20% lighter version of the original color is **73.1268, 57.9245, 96.1333**, and **28.7090, 16.6688, 25.7490** is the 20% darker color. If you saturate the color by 10%, you get **53.2995, 32.1392, 46.7662**, and if you desaturate by 10%, it is **61.8450, 45.1000, 62.3478**.

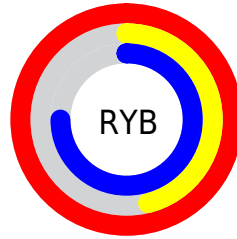
# Distribution



Red (100%)

Green (46%)

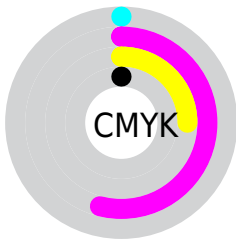
Blue (75%)



Red (100%)

Yellow (46%)

Blue (75%)

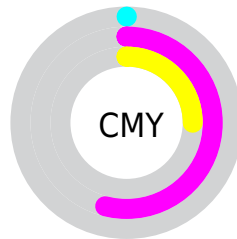


Cyan (0%)

Magenta (54%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (54%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.1157, 37.7884, 54.1527 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 57.1157, 37.7884, 54.1527 by changing the saturation by 10% instead.



57.1157, 37.7884,  
54.1527

57.1157, 37.7884,  
54.1527

403.8899,  
336.7114, 419.8831

41.3386, 25.8185,  
38.3297

99.7644, 71.7837,  
97.7571

28.7726, 16.6879,  
25.9349

127.3667, 94.5779,  
126.3756

19.0523, 10.0122,  
16.5496

159.6415,  
121.7490, 160.0964

11.8123, 5.4071,  
9.7554

196.9541,  
153.6813, 199.3379

6.6873, 2.4880,  
5.1336

239.6699,  
190.7593, 244.5189

3.3119, 0.8706,  
2.2657

288.1542,

1.3208, 0.0000,

233.3674, 296.0577

0.7119

342.7724,  
281.8900, 354.3729

■ 0.1987, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.1157, 37.7884,  
54.1527

■ 57.1157, 37.7884,  
54.1527

■ 53.2995, 32.1392,  
46.7662

■ 61.8450, 45.1000,  
62.3478

■ 50.3236, 28.0113,  
40.1513

■ 67.5464, 54.1891,  
71.3812

■ 48.1082, 25.2489,  
34.2699

■ 74.2774, 65.1669,  
81.2833

■ 46.5553, 23.6596,  
29.0766

■ 82.0898, 78.1337,  
92.0819

■ 45.8697, 23.1119,  
26.3095

■ 91.0320, 93.1828,  
103.8033

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



51.2265, 37.7884, 88.7515



57.1157, 37.7884, 54.1527



56.6436, 37.7884, 27.4713

# Triad

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



57.1157, 37.7884, 54.1527



30.7559, 37.7884, 8.4509



24.7419, 37.7884, 93.3687

# Complementary

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



57.1157, 37.7884, 54.1527



51.3361, 78.5980, 55.6491

# 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.



20.9857, 37.7884, 58.7371



57.1157, 37.7884, 54.1527



24.0087, 37.7884, 14.5979

# Square

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



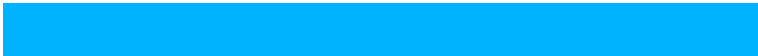
57.1157, 37.7884, 54.1527



40.2102, 37.7884, 8.1091



20.7437, 37.7884, 30.4076



31.9403, 37.7884, 117.3260



# Rectangle

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



57.1157, 37.7884, 54.1527



52.7751, 37.7884, 16.7672



20.7437, 37.7884, 30.4076



23.0954, 37.7884, 82.0333

# Sweetspot

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



57.1167, 37.7902, 54.1534



80.5318, 75.5323, 89.9760



43.0267, 29.5406, 98.0419



16.8828, 15.5770, 18.7744



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.



57.1167, 37.7902, 54.1534



53.0031, 31.7144, 46.1499



51.2345, 35.4373, 23.1779



18.4223, 18.1522, 20.8410



24.0442, 12.1070, 14.1493



2.3963, 1.2009, 1.6681



# Inverse Universe

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



57.1167, 37.7902, 54.1534



53.0031, 31.7144, 46.1499



60.0560, 82.0860, 101.5675



18.4223, 18.1522, 20.8410



24.0442, 12.1070, 14.1493



2.3963, 1.2009, 1.6681



# Previews

## White Background



This preview shows how the XYZ color 57.1157, 37.7884, 54.1527 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

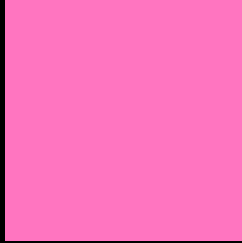
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.1157, 37.7884, 54.1527 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

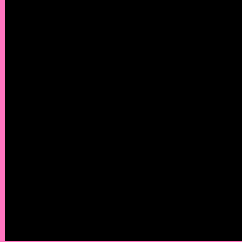
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.1157, 37.7884, 54.1527**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.1157, 37.7884, 54.1527.



This preview shows how white text looks on a background with the XYZ color 57.1157, 37.7884,



# 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

57.1157, 37.7884, 54.1527

### Protanopia

38.9427, 38.2286, 75.8474

### Deuteranopia

38.7354, 37.8768, 51.1683



## Tritanopia

51.8620, 37.8595, 28.6189

# Trichromacy



## Original Color

57.1157, 37.7884, 54.1527



## Protanomaly

42.8109, 36.1857, 67.0155



## Deuteranomaly

43.8311, 36.5781, 52.3271



## Tritanomaly

53.6501, 37.8313, 36.8223

# Monochromacy



## Original Color

57.1157, 37.7884, 54.1527



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

42.1371, 36.7716, 45.9511

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.1157, 37.7884, 54.1527 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(255, 117, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 192)  
}
```

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(255, 117, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 57.1157, 37.7884, 54.1527 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(255, 117, 192) }
```



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

```
.border{ border-color:rgb(255, 117, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.1157, 37.7884, 54.1527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 192) }
```

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

```
.background{ background-color: rgb(255,  
117, 192) }
```

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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