

# Converting Colors

XYZ(82.0130, 52.8154, 58.2600)

Have a look what the booklet for  
XYZ(82.0130, 52.8154, 58.2600)  
contains.

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# Color

**XYZ(59.0541, 40.9460,  
57.0154)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF81C4
RGB	255, 129, 196
RGB Percent	100%, 51%, 77%
CMY	0.0000, 0.4941, 0.2314
CMYK	0.00, 0.49, 0.23, 0.00
HSL	328°, 100%, 75%
HSV	328°, 49%, 100%
XYZ	59.0541, 40.9460, 57.0154
YIQ	174.3120, 53.5890, 47.5490

# Conversions

## Conversions Part 2

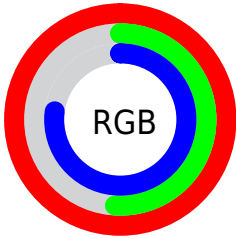
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 129, 196
Decimal	16744900
CIE <sub>Lab</sub>	70.14, 55.37, -12.69
CIE <sub>LCh</sub>	70, 56.803, 347.092
Yxy	40.9460, 0.3761, 0.2608
Android (android.graphics.Color)	4294934980 (0xFFFF81C4)
YUV	174.3120, 10.6922, 70.7634
Hunter-Lab	63.9891, 52.7529, -8.0361

# Details

The XYZ color **59.0541, 40.9460, 57.0154** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **53.8920, 79.8188, 60.1465**, and the grayscale version is **40.3211, 42.4209, 46.1963**.

A 20% lighter version of the original color is **76.3186, 63.0498, 101.0759**, and **30.0962, 18.5863, 27.5925** is the 20% darker color. If you saturate the color by 10%, you get **54.7988, 34.5248, 49.1560**, and if you desaturate by 10%, it is **64.2574, 49.0901, 65.7255**.

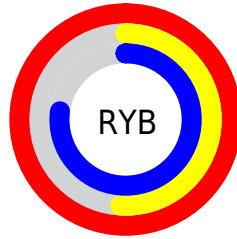
# Distribution



Red (100%)

Green (51%)

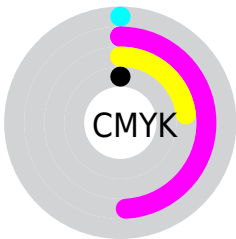
Blue (77%)



Red (100%)

Yellow (51%)

Blue (77%)

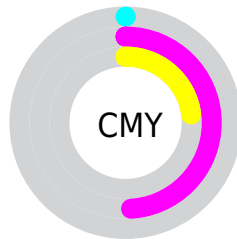


Cyan (0%)

Magenta (49%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (49%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.0541, 40.9460, 57.0154 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 59.0541, 40.9460, 57.0154 by changing the saturation by 10% instead.





 59.0541, 40.9460,  
57.0154


 59.0541, 40.9460,  
57.0154


410.9932,  
350.0949, 431.0024


 42.9032, 28.2769,  
40.6082

 102.5705, 76.6019,  
101.9882

 30.0034, 18.5345,  
27.6956


 130.6667,  
100.3575, 131.3909

 19.9892, 11.3344,  
17.8593


 163.4753,  
128.5774, 165.9624

 12.4954, 6.2922,  
10.6806

201.3618,  
161.6459, 206.1214

 7.1566, 3.0236,  
5.7411

244.6915,  
199.9476, 252.2863

 3.6074, 1.1441,  
2.6220

293.8297,

 1.4825, 0.0153,

243.8667, 304.8758

0.9038

349.1418,  
293.7877, 364.3083

■ 0.3139, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.0541, 40.9460,  
57.0154

■ 59.0541, 40.9460,  
57.0154

■ 54.7988, 34.5248,  
49.1560

■ 64.2574, 49.0901,  
65.7255

■ 51.4227, 29.6929,  
42.1106

■ 70.4654, 59.0664,  
75.3157

■ 48.8515, 26.3058,  
35.8421

■ 77.7332, 70.9817,  
85.8165

■ 46.9962, 24.1898,  
30.3075

■ 86.1112, 84.9330,  
97.2559

■ 45.7214, 23.0787, 95.0500, 100.0000,  
25.4478 108.9000

■ 45.6549, 23.0259,  
25.1783

# Harmonies

## Analogous

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



53.5217, 40.9460, 89.2682



59.0541, 40.9460, 57.0154



58.6096, 40.9460, 31.1753

# Triad

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



59.0541, 40.9460, 57.0154



33.9008, 40.9460, 11.3840



27.9796, 40.9460, 93.5286

# Complementary

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



59.0541, 40.9460, 57.0154



53.8920, 79.8188, 60.1465

# 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.



24.2196, 40.9460, 61.3712



59.0541, 40.9460, 57.0154



27.2462, 40.9460, 18.0369

# Square

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



59.0541, 40.9460, 57.0154



43.0462, 40.9460, 10.9995



23.9745, 40.9460, 34.1039



35.0625, 40.9460, 115.3458



# Rectangle

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



59.0541, 40.9460, 57.0154



54.9756, 40.9460, 20.3009



23.9745, 40.9460, 34.1039



26.3378, 40.9460, 83.0984

# Sweetspot

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



59.0550, 40.9479, 57.0162



81.2875, 76.8765, 90.7429



46.5918, 33.5888, 98.6354



17.0293, 15.8408, 18.9137



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.



59.0550, 40.9479, 57.0162



54.9552, 34.7555, 49.4613



53.3391, 38.6615, 26.9163



18.4131, 18.1485, 20.7924



23.9318, 12.0620, 13.5575



2.3854, 1.1965, 1.6109



# Inverse Universe

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



59.0550, 40.9479, 57.0162



54.9552, 34.7555, 49.4613



62.1954, 83.1401, 103.8714



18.4131, 18.1485, 20.7924



23.9318, 12.0620, 13.5575



2.3854, 1.1965, 1.6109



# Previews

## White Background



This preview shows how the XYZ color 59.0541, 40.9460, 57.0154 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

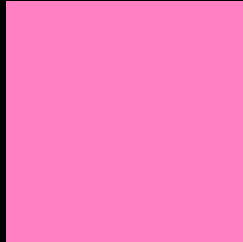
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.0541, 40.9460, 57.0154 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

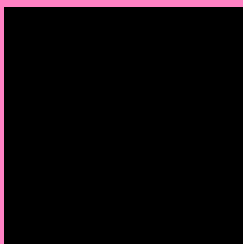
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.0541, 40.9460, 57.0154**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.0541, 40.9460, 57.0154.



This preview shows how white text looks on a background with the XYZ color 59.0541, 40.9460,

57.0154.

# 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

59.0541, 40.9460, 57.0154

### Protanopia

41.9298, 41.4004, 76.3021

### Deuteranopia

41.9354, 41.0584, 54.4300



## Tritanopia

54.0818, 40.9592, 33.4893

# Trichromacy



## Original Color

59.0541, 40.9460, 57.0154



## Protanomaly

45.8513, 39.6352, 68.8521



## Deuteranomaly

46.6378, 39.8536, 55.1036



## Tritanomaly

55.6918, 40.7766, 41.0118

# Monochromacy



## Original Color

59.0541, 40.9460, 57.0154



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

45.2990, 40.5276, 49.6911

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.0541, 40.9460, 57.0154 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, 129, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 196)  
}
```

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, 129, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 59.0541, 40.9460, 57.0154 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, 129, 196) }
```



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

```
.border{ border-color:rgb(255, 129, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.0541, 40.9460, 57.0154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 196) }
```

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

```
.background{ background-color: rgb(255,  
129, 196) }
```

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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