

# Converting Colors

XYZ(58.7128, 45.1930, 41.7050)

Have a look what the booklet for  
XYZ(58.7128, 45.1930, 41.7050)  
contains.

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# Color

**XYZ(58.7128, 45.1930,  
41.7050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF94A6
RGB	255, 148, 166
RGB Percent	100%, 58%, 65%
CMY	0.0000, 0.4196, 0.3490
CMYK	0.00, 0.42, 0.35, 0.00
HSL	350°, 100%, 79%
HSV	350°, 42%, 100%
XYZ	58.7128, 45.1930, 41.7050
YIQ	182.0450, 57.9940, 28.2820

# Conversions

## Conversions Part 2

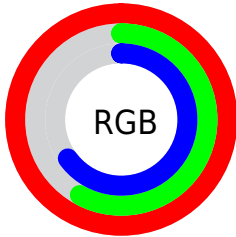
Format	Color
R <sub>Y</sub> B	255, 148, 166
Decimal	16749734
CIE Lab	73.02, 42.13, 8.23
CIE LCh	73, 42.924, 11.060
Yxy	45.1930, 0.4032, 0.3104
Android (android.graphics.Color)	4294939814 (0xFFFF94A6)
YUV	182.0450, -7.9102, 63.9815
Hunter-Lab	67.2257, 38.2511, 10.2761

# Details

The XYZ color **58.7128, 45.1930, 41.7050** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **63.2609, 83.9313, 92.9915**, and the grayscale version is **44.5087, 46.8267, 50.9942**.

A 20% lighter version of the original color is **75.8840, 69.6662, 77.8540**, and **29.8944, 21.1351, 18.4235** is the 20% darker color. If you saturate the color by 10%, you get **53.3566, 37.3418, 31.0986**, and if you desaturate by 10%, it is **65.2734, 54.9389, 54.2970**.

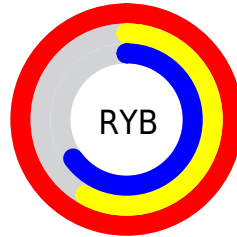
# Distribution



Red (100%)

Green (58%)

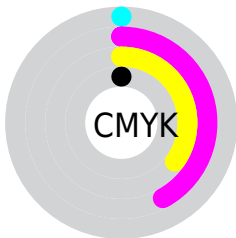
Blue (65%)



Red (100%)

Yellow (58%)

Blue (65%)

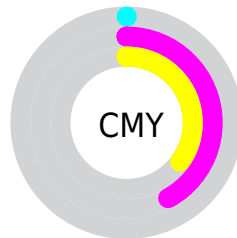


Cyan (0%)

Magenta (42%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (42%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7128, 45.1930, 41.7050 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 58.7128, 45.1930, 41.7050 by changing the saturation by 10% instead.




 58.7128, 45.1930,  
41.7050

 58.7128, 45.1930,  
41.7050


409.7479,  
367.5547, 369.0221

 42.6274, 31.6095,  
28.5465

 102.0771, 83.0100,  
79.0182

 29.7862, 21.0634,  
18.4954


 130.0869,  
108.0122, 104.0101

 19.8236, 13.1703,  
11.1331

162.8021,  
137.5894, 133.7834

 12.3744, 7.5460,  
6.0412

200.5881,  
172.1260, 168.7568

 7.0732, 3.8058,  
2.8009

243.8104,  
212.0065, 209.3489

 3.5547, 1.5655,  
0.9939

292.8342,

 1.4534, 0.3342,

257.6152, 255.9781

0.0000

348.0249,  
309.3364, 309.0630

■ 0.2938, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.7128, 45.1930,  
41.7050

■ 58.7128, 45.1930,  
41.7050

■ 53.3566, 37.3418,  
31.0986

■ 65.2734, 54.9389,  
54.2970

■ 49.1268, 31.2553,  
22.3728

■ 73.1024, 66.6851,  
68.9669

■ 45.9421, 26.7978,  
15.4170

■ 82.2639, 80.5370,  
85.8041

■ 43.7083, 23.8109,  
10.1074

■ 92.8162, 96.5910,  
104.8922

■ 42.3133, 22.1040,  
6.3035

95.0500, 100.0000,  
108.9000

■ 41.6739, 21.4336,  
4.2151

# Harmonies

## Analogous

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



58.0835, 45.1930, 63.8615



58.7128, 45.1930, 41.7050



54.7671, 45.1930, 26.7659

# Triad

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



58.7128, 45.1930, 41.7050



34.1644, 45.1930, 24.1803



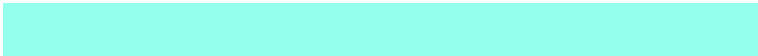
38.4433, 45.1930, 99.4986

# Complementary

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



58.7128, 45.1930, 41.7050



63.2609, 83.9313, 92.9915

# 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.



32.9758, 45.1930, 81.6123



58.7128, 45.1930, 41.7050



30.7112, 45.1930, 36.9864

# Square

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



58.7128, 45.1930, 41.7050



40.2481, 45.1930, 18.7925



30.3030, 45.1930, 57.5598



45.7797, 45.1930, 101.8655



# Rectangle

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



58.7128, 45.1930, 41.7050



50.3148, 45.1930, 21.1987



30.3030, 45.1930, 57.5598



36.3496, 45.1930, 94.9016

# Sweetspot

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



58.7140, 45.1952, 41.7059



81.2453, 78.9925, 83.9460



63.0291, 46.1297, 100.1896



16.9387, 16.2242, 17.1427



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.



58.7140, 45.1952, 41.7059



54.3144, 38.7363, 33.0240



63.2909, 56.8084, 35.6493



18.1340, 18.0369, 19.3228



21.8117, 11.2140, 2.3931



2.1569, 1.1051, 0.4078



# Inverse Universe

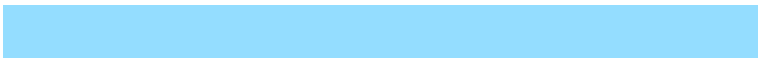
The Inverse Universe completely reimagines the original color for something new.



58.7140, 45.1952, 41.7059



54.3144, 38.7363, 33.0240



56.1519, 65.2922, 104.2508



18.1340, 18.0369, 19.3228



21.8117, 11.2140, 2.3931



2.1569, 1.1051, 0.4078



# Previews

## White Background



This preview shows how the XYZ color 58.7128, 45.1930, 41.7050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

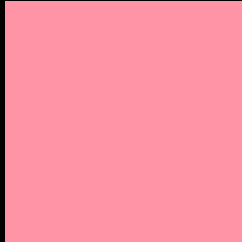
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.7128, 45.1930, 41.7050 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 58.7128, 45.1930, 41.7050**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.7128, 45.1930, 41.7050.



This preview shows how white text looks on a background with the XYZ color 58.7128, 45.1930,

41.7050.

# 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

58.7128, 45.1930, 41.7050

### Protanopia

43.9587, 45.6042, 51.2854

### Deuteranopia

46.3670, 45.3331, 40.4888



## Tritanopia

57.9657, 45.1038, 38.9085

# Trichromacy



## Original Color

58.7128, 45.1930, 41.7050



## Protanomaly

48.2329, 44.7349, 47.6875



## Deuteranomaly

50.3177, 44.8832, 40.6616



## Tritanomaly

58.1421, 45.1744, 39.8375

# Monochromacy



## Original Color

58.7128, 45.1930, 41.7050



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

48.5057, 45.4393, 47.2884

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.7128, 45.1930, 41.7050 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, 148, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 166)  
}
```

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, 148, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 58.7128, 45.1930, 41.7050 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, 148, 166) }
```



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

```
.border{ border-color:rgb(255, 148, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 148, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.7128, 45.1930, 41.7050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 166) }
```

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

```
.background{ background-color: rgb(255,  
148, 166) }
```

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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