

# Converting Colors

XYZ(59.8853, 44.1677, 45.2439)

Have a look what the booklet for  
XYZ(59.8853, 44.1677, 45.2439)  
contains.

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# Color

**XYZ(58.4049, 43.3657,  
45.3366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8DAE
RGB	255, 141, 174
RGB Percent	100%, 55%, 68%
CMY	0.0000, 0.4470, 0.3176
CMYK	0.00, 0.45, 0.32, 0.00
HSL	343°, 100%, 78%
HSV	343°, 45%, 100%
XYZ	58.4049, 43.3657, 45.3366
YIQ	178.8480, 57.3510, 34.4310

# Conversions

## Conversions Part 2

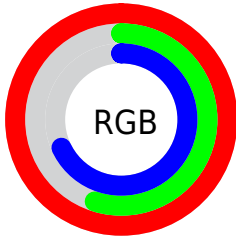
Format	Color
R <sub>Y</sub> B	255, 141, 174
Decimal	16747950
CIE Lab	71.80, 46.62, 2.04
CIE LCh	72, 46.668, 2.503
Yxy	43.3657, 0.3970, 0.2948
Android (android.graphics.Color)	4294938030 (0xFFFF8DAE)
YUV	178.8480, -2.3901, 66.7853
Hunter-Lab	65.8526, 43.0701, 5.2783

# Details

The XYZ color **58.4049, 43.3657, 45.3366** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.9312, 82.4575, 81.8684**, and the grayscale version is **42.7589, 44.9856, 48.9894**.

A 20% lighter version of the original color is **75.3491, 66.8496, 83.0607**, and **29.6860, 19.9573, 20.6999** is the 20% darker color. If you saturate the color by 10%, you get **53.4194, 36.0337, 35.5397**, and if you desaturate by 10%, it is **64.4963, 52.5281, 56.6787**.

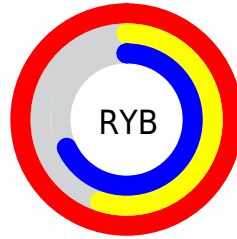
# Distribution



Red (100%)

Green (55%)

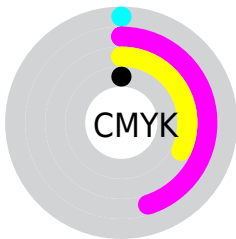
Blue (68%)



Red (100%)

Yellow (55%)

Blue (68%)

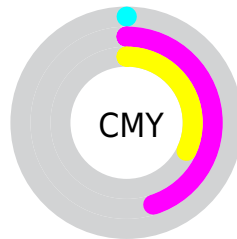


Cyan (0%)

Magenta (45%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (45%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4049, 43.3657, 45.3366 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 58.4049, 43.3657, 45.3366 by changing the saturation by 10% instead.





 58.4049, 43.3657,  
45.3366


 58.4049, 43.3657,  
45.3366


408.6226,  
360.1136, 384.3349

 42.3788, 30.1722,  
31.3778


 101.6318, 80.2624,  
84.5491

 29.5904, 19.9693,  
20.6258


 129.5634,  
104.7344, 110.6398

 19.6744, 12.3727,  
12.6622

162.1940,  
133.7346, 141.6116

 12.2655, 6.9981,  
7.0684

199.8893,  
167.6475, 177.8829

 6.9982, 3.4609,  
3.4258

243.0144,  
206.8575, 219.8724

 3.5073, 1.3768,  
1.3159

291.9347,

 1.4274, 0.1995,

251.7488, 267.9985

0.0748

347.0157,  
302.7061, 322.6798

■ 0.2756, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.4049, 43.3657,  
45.3366

■ 58.4049, 43.3657,  
45.3366

■ 53.4194, 36.0337,  
35.5397

■ 64.4963, 52.5281,  
56.6787

■ 49.4670, 30.4016,  
27.2156

■ 71.7539, 63.6273,  
69.6288

■ 46.4707, 26.3316,  
20.2892

■ 80.2371, 76.7687,  
84.2491

■ 44.3405, 23.6614,  
14.6771

■ 90.0007, 92.0484,  
100.5976

■ 42.9675, 22.1918, 95.0500, 100.0000,  
10.2846 108.9000

■ 42.4696, 21.7518,  
8.4047

# Harmonies

## Analogous

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



56.2766, 43.3657, 70.3861



58.4049, 43.3657, 45.3366



55.4611, 43.3657, 27.4252

# Triad

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



58.4049, 43.3657, 45.3366



33.5554, 43.3657, 19.1344



34.5709, 43.3657, 97.5115

# Complementary

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



58.4049, 43.3657, 45.3366



59.9312, 82.4575, 81.8684

# 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.



29.6492, 43.3657, 74.7845



58.4049, 43.3657, 45.3366



29.1179, 43.3657, 29.7892

# Square

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



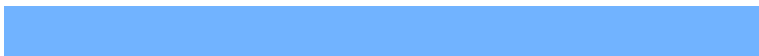
58.4049, 43.3657, 45.3366



40.5556, 43.3657, 15.6478



27.7840, 43.3657, 49.1505



41.8872, 43.3657, 105.6611



# Rectangle

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



58.4049, 43.3657, 45.3366



51.2137, 43.3657, 20.3548



27.7840, 43.3657, 49.1505



32.6153, 43.3657, 91.0287

# Sweetspot

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



58.4060, 43.3678, 45.3374



81.8082, 79.2176, 86.9100



57.3344, 41.6128, 99.6180



17.0761, 16.2791, 17.8663



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.



58.4060, 43.3678, 45.3374



53.7354, 36.4923, 36.1797



59.2889, 49.6646, 31.6633



18.2256, 18.0735, 19.8050



22.2469, 11.3881, 4.6848



2.2110, 1.1268, 0.6928



# Inverse Universe

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



58.4060, 43.3678, 45.3374



53.7354, 36.4923, 36.1797



57.9490, 70.7100, 105.2019



18.2256, 18.0735, 19.8050



22.2469, 11.3881, 4.6848



2.2110, 1.1268, 0.6928



# Previews

## White Background



This preview shows how the XYZ color 58.4049, 43.3657, 45.3366 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 58.4049, 43.3657, 45.3366 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 58.4049, 43.3657, 45.3366**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.4049, 43.3657, 45.3366.



This preview shows how white text looks on a background with the XYZ color 58.4049, 43.3657,

45.3366.

# 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

58.4049, 43.3657, 45.3366

### Protanopia

42.5231, 43.5537, 57.2044

### Deuteranopia

44.3011, 43.3498, 43.5685



## Tritanopia

56.3977, 43.1957, 36.3755

# Trichromacy



## Original Color

58.4049, 43.3657, 45.3366



## Protanomaly

46.6954, 42.4788, 52.7518



## Deuteranomaly

48.3641, 42.4883, 44.1801



## Tritanomaly

57.2171, 43.3244, 39.5292

# Monochromacy



## Original Color

58.4049, 43.3657, 45.3366



## Achromatopsia

42.8472, 45.0786, 49.0906



## Achromatomaly

47.1231, 43.3500, 47.4787

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.4049, 43.3657, 45.3366 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, 141, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 174)  
}
```

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, 141, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 58.4049, 43.3657, 45.3366 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, 141, 174) }
```



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

```
.border{ border-color:rgb(255, 141, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.4049, 43.3657, 45.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 174) }
```

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

```
.background{ background-color: rgb(255,  
141, 174) }
```

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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