

# Converting Colors

XYZ(119.6462, 73.4913,  
51.8544)

Have a look what the booklet for  
XYZ(119.6462, 73.4913, 51.8544)  
contains.

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# Color

**XYZ(58.2445, 41.9241,  
48.7384)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF87B5
RGB	255, 135, 181
RGB Percent	100%, 53%, 71%
CMY	0.0000, 0.4706, 0.2902
CMYK	0.00, 0.47, 0.29, 0.00
HSL	337°, 100%, 76%
HSV	337°, 47%, 100%
XYZ	58.2445, 41.9241, 48.7384
YIQ	176.1240, 56.7540, 39.7460

# Conversions

## Conversions Part 2

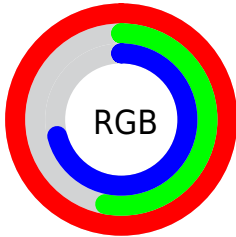
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 135, 181
Decimal	16746421
CIE <sub>Lab</sub>	70.82, 50.48, -3.30
CIE <sub>LCh</sub>	71, 50.584, 356.255
Yxy	41.9241, 0.3911, 0.2815
Android (android.graphics.Color)	4294936501 (0xFFFF87B5)
YUV	176.1240, 2.4039, 69.1743
Hunter-Lab	64.7488, 47.2584, 0.6948

# Details

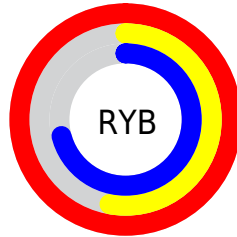
The XYZ color **58.2445, 41.9241, 48.7384** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **57.2621, 81.2752, 72.9951**, and the grayscale version is **41.2997, 43.4505, 47.3176**.

A 20% lighter version of the original color is **75.1569, 64.6360, 88.6356**, and **29.3444, 19.0455, 22.5516** is the 20% darker color. If you saturate the color by 10%, you get **53.5795, 35.0324, 39.6667**, and if you desaturate by 10%, it is **63.9456, 50.5964, 59.0550**.

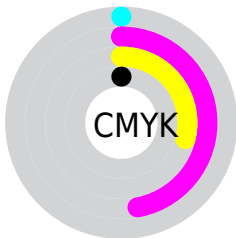
# Distribution



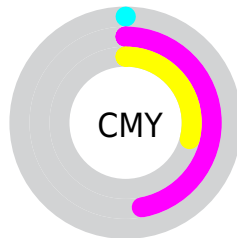
- Red (100%)
- Green (53%)
- Blue (71%)



- Red (100%)
- Yellow (53%)
- Blue (71%)



- Cyan (0%)
- Magenta (47%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (47%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2445, 41.9241, 48.7384 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 58.2445, 41.9241, 48.7384 by changing the saturation by 10% instead.





 58.2445, 41.9241,  
48.7384


 58.2445, 41.9241,  
48.7384


408.0356,  
354.1682, 398.3044


 42.2493, 29.0419,  
34.0479

 101.3997, 78.0847,  
89.6798

 29.4885, 19.1125,  
22.6527


 129.2905,  
102.1319, 116.7677

 19.5968, 11.7516,  
14.1344


 161.8771,  
130.6696, 148.8251

 12.2089, 6.5748,  
8.0744

199.5249,  
164.0820, 186.2706

 6.9593, 3.1976,  
4.0541

242.5993,  
202.7538, 229.5228

 3.4828, 1.2358,  
1.6551

291.4656,

 1.4139, 0.0906,

247.0691, 279.0001

0.3297

346.4893,  
297.4124, 335.1211

■ 0.2661, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.2445, 41.9241,  
48.7384

■ 58.2445, 41.9241,  
48.7384

■ 53.5795, 35.0324,  
39.6667

■ 63.9456, 50.5964,  
59.0550

■ 49.8797, 29.7892,  
31.7853

■ 70.7412, 61.1570,  
70.6629

■ 47.0695, 26.0538,  
25.0379

■ 78.6887, 73.7121,  
83.6089

■ 45.0599, 23.6584,  
19.3617

■ 87.8407, 88.3581,  
97.9364

■ 43.7383, 22.3897, 95.0500, 100.0000,  
14.6838 108.9000

■ 43.4325, 22.1370,  
13.4754

# Harmonies

## Analogous

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



54.8506, 41.9241, 76.4832



58.2445, 41.9241, 48.7384



56.1671, 41.9241, 28.0846

# Triad

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



58.2445, 41.9241, 48.7384



33.1185, 41.9241, 15.4525



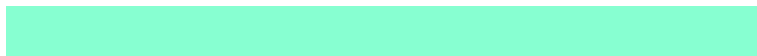
31.5285, 41.9241, 95.9540

# Complementary

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



58.2445, 41.9241, 48.7384



57.2621, 81.2752, 72.9951

# 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.



27.0416, 41.9241, 69.3322



58.2445, 41.9241, 48.7384



27.8650, 41.9241, 24.4648

# Square

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



58.2445, 41.9241, 48.7384



40.9125, 41.9241, 13.2910



25.8005, 41.9241, 42.6915



38.8014, 41.9241, 109.1488



# Rectangle

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



58.2445, 41.9241, 48.7384



52.0975, 41.9241, 19.7139



25.8005, 41.9241, 42.6915



29.6863, 41.9241, 87.9057

# Sweetspot

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



58.2455, 41.9261, 48.7392



81.3556, 77.9620, 87.8391



53.0102, 38.1055, 99.1689



17.0079, 16.0405, 18.1591



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.



58.2455, 41.9261, 48.7392



54.0254, 35.6802, 40.5677



56.3621, 44.5063, 28.5442



18.2975, 18.1023, 20.1838



22.7616, 11.5939, 7.3950



2.2676, 1.1494, 0.9905



# Inverse Universe

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



58.2455, 41.9261, 48.7392



54.0254, 35.6802, 40.5677



59.4983, 75.2825, 106.0028



18.2975, 18.1023, 20.1838



22.7616, 11.5939, 7.3950



2.2676, 1.1494, 0.9905



# Previews

## White Background



This preview shows how the XYZ color 58.2445, 41.9241, 48.7384 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

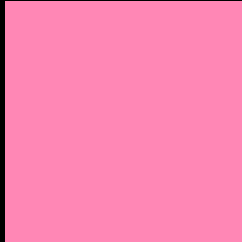
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.2445, 41.9241, 48.7384 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 58.2445, 41.9241, 48.7384**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.2445, 41.9241, 48.7384.



This preview shows how white text looks on a background with the XYZ color 58.2445, 41.9241,



# 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

58.2445, 41.9241, 48.7384

### Protanopia

41.5880, 42.0802, 63.0571

### Deuteranopia

42.9757, 42.0476, 46.4084



## Tritanopia

55.2557, 41.9796, 34.4687

# Trichromacy



## Original Color

58.2445, 41.9241, 48.7384



## Protanomaly

45.9151, 40.9239, 57.7037



## Deuteranomaly

47.5558, 41.2474, 47.0501



## Tritanomaly

56.2622, 41.9565, 39.3155

# Monochromacy



## Original Color

58.2445, 41.9241, 48.7384



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

45.9576, 41.6832, 47.7429

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.2445, 41.9241, 48.7384 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, 135, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 181)  
}
```

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, 135, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 58.2445, 41.9241, 48.7384 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, 135, 181) }
```



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

```
.border{ border-color:rgb(255, 135, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.2445, 41.9241, 48.7384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 181) }
```

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

```
.background{ background-color: rgb(255,  
135, 181) }
```

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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