

# Converting Colors

XYZ(58.0535, 45.9640, 50.6155)

Have a look what the booklet for  
XYZ(58.0535, 45.9640, 50.6155)  
contains.

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# Color

**XYZ(57.9445, 45.7942,  
50.5849)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F699B7
RGB	246, 153, 183
RGB Percent	96%, 60%, 72%
CMY	0.0353, 0.4000, 0.2823
CMYK	0.00, 0.38, 0.26, 0.04
HSL	341°, 84%, 78%
HSV	341°, 38%, 96%
XYZ	57.9445, 45.7942, 50.5849
YIQ	184.2270, 45.7980, 29.0460

# Conversions

## Conversions Part 2

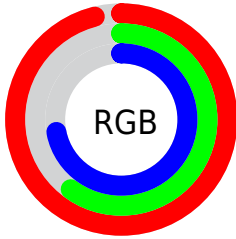
Format	Color
R <sub>Y</sub> B	246, 153, 183
Decimal	16161207
CIE Lab	73.41, 38.57, -0.74
CIE LCh	73, 38.574, 358.899
Yxy	45.7942, 0.3755, 0.2967
Android (android.graphics.Color)	4294351287 (0xFFFF699B7)
YUV	184.2270, -0.6049, 54.1749
Hunter-Lab	67.6714, 34.4179, 3.0503

# Details

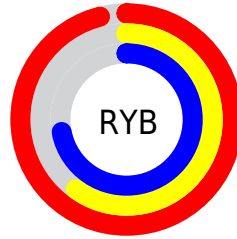
The XYZ color **57.9445, 45.7942, 50.5849** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.4894, 77.6428, 76.8735**, and the grayscale version is **45.6721, 48.0506, 52.3271**.

A 20% lighter version of the original color is **79.3759, 72.6037, 91.4917**, and **29.3255, 21.4174, 23.7074** is the 20% darker color. If you saturate the color by 10%, you get **52.6922, 37.9030, 40.7768**, and if you desaturate by 10%, it is **64.2347, 55.4318, 61.7533**.

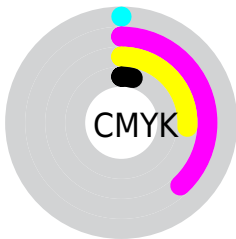
# Distribution



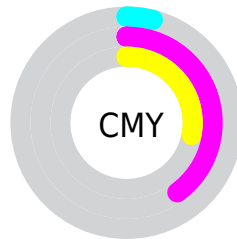
- Red (96%)
- Green (60%)
- Blue (72%)



- Red (96%)
- Yellow (60%)
- Blue (72%)



- Cyan (0%)
- Magenta (38%)
- Yellow (26%)
- Black (4%)



- Cyan (4%)
- Magenta (40%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.9445, 45.7942, 50.5849 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 57.9445, 45.7942, 50.5849 by changing the saturation by 10% instead.





 57.9445, 45.7942,  
50.5849


 57.9445, 45.7942,  
50.5849


406.9363,  
369.9806, 405.7493

 42.0071, 32.0835,  
35.5039


 100.9655, 83.9109,  
92.4461

 29.2980, 21.4252,  
23.7647


 128.7798,  
109.0857, 120.0634

 19.4518, 13.4352,  
14.9486

161.2837,  
138.8506, 152.6966

 12.1031, 7.7289,  
8.6371


198.8427,  
173.5900, 190.7642

 6.8866, 3.9220,  
4.4117

241.8222,  
213.6883, 234.6847

 3.4370, 1.6300,  
1.8538

290.5873,

 1.3889, 0.3777,

259.5299, 284.8767

0.4631

345.5036,  
311.4992, 341.7587

■ 0.2483, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.9445, 45.7942,  
50.5849

■ 57.9445, 45.7942,  
50.5849

■ 52.6922, 37.9030,  
40.7768

■ 64.2347, 55.4318,  
61.7533

■ 48.4155, 31.6460,  
32.2716

■ 71.6128, 66.9060,  
74.3307

■ 45.0510, 26.9082,  
25.0114

■ 80.1299, 80.3083,  
88.3666

■ 42.5259, 23.5569,  
18.9322

■ 89.8329, 95.7225,  
103.9071

■ 40.7551, 21.4355,  
13.9634

■ 91.8162, 98.3329,  
108.7487

■ 39.6265, 20.3349,  
10.0218

■ 39.4301, 20.1625,  
9.2769

# Harmonies

## Analogous

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



55.7035, 45.7942, 71.8036



57.9445, 45.7942, 50.5849



56.0001, 45.7942, 33.8725

# Triad

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



57.9445, 45.7942, 50.5849



37.5105, 45.7942, 23.7472



37.1179, 45.7942, 89.2695

# Complementary

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



57.9445, 45.7942, 50.5849



58.4894, 77.6428, 76.8735

# 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.



33.0572, 45.7942, 70.2264



57.9445, 45.7942, 50.5849



33.2668, 45.7942, 32.9188

# Square

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



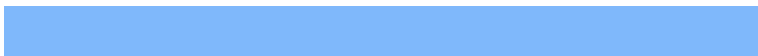
57.9445, 45.7942, 50.5849



43.7777, 45.7942, 21.0204



31.7228, 45.7942, 49.1462



43.2753, 45.7942, 97.4290



# Rectangle

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



57.9445, 45.7942, 50.5849



52.6956, 45.7942, 26.6405



31.7228, 45.7942, 49.1462



35.4871, 45.7942, 83.7205

# Sweetspot

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



57.9458, 45.7964, 50.5858



83.8353, 82.2268, 90.8076



56.0519, 43.8858, 92.7056



17.6715, 17.1703, 18.9886



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.



57.9458, 45.7964, 50.5858



58.6166, 43.2741, 46.9953



57.8526, 50.0853, 36.7580



16.7194, 16.5706, 18.2691



21.1029, 10.7846, 5.2501



1.8998, 0.9659, 0.6987



# Inverse Universe

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



57.9458, 45.7964, 50.5858



58.6166, 43.2741, 46.9953



58.2092, 70.2998, 97.6903



16.7194, 16.5706, 18.2691



21.1029, 10.7846, 5.2501



1.8998, 0.9659, 0.6987



# Previews

## White Background



This preview shows how the XYZ color 57.9445, 45.7942, 50.5849 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 57.9445, 45.7942, 50.5849 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 57.9445, 45.7942, 50.5849**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.9445, 45.7942, 50.5849.



This preview shows how white text looks on a background with the XYZ color 57.9445, 45.7942,



# 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

57.9445, 45.7942, 50.5849

### Protanopia

45.2205, 46.3497, 60.5959

### Deuteranopia

47.0198, 46.0567, 49.0595



## Tritanopia

56.1717, 45.8001, 42.4389

# Trichromacy



## Original Color

57.9445, 45.7942, 50.5849



## Protanomaly

48.6290, 45.2962, 56.6321



## Deuteranomaly

50.3758, 45.5317, 49.3134



## Tritanomaly

56.9204, 45.8723, 45.3894

# Monochromacy



## Original Color

57.9445, 45.7942, 50.5849



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

49.3274, 46.6132, 51.7448

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.9445, 45.7942, 50.5849 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(246, 153, 183)` looks like.

```
.text, #text, p{  
    color:rgb(246, 153, 183)  
}
```

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(246, 153, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 153, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 57.9445, 45.7942, 50.5849 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(246, 153, 183) }
```



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

```
.border{ border-color:rgb(246, 153, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 153, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 153, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 153, 183);  
box-shadow:4px 4px 4px 4px rgb(246, 153,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.9445, 45.7942, 50.5849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 153, 183) }
```

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

```
.background{ background-color: rgb(246,  
153, 183) }
```

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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