

# Converting Colors

XYZ(61.3476, 45.5160, 73.6904)

Have a look what the booklet for  
XYZ(61.3476, 45.5160, 73.6904)  
contains.

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# Color

**XYZ(61.4909, 45.6807,  
73.9829)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F693DD
RGB	246, 147, 221
RGB Percent	96%, 58%, 87%
CMY	0.0353, 0.4235, 0.1333
CMYK	0.00, 0.40, 0.10, 0.04
HSL	315°, 85%, 77%
HSV	315°, 40%, 96%
XYZ	61.4909, 45.6807, 73.9829
YIQ	185.0370, 35.2500, 44.0020

# Conversions

## Conversions Part 2

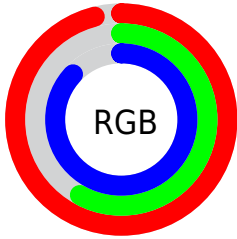
Format	Color
R <sub>Y</sub> B	246, 147, 221
Decimal	16159709
CIE Lab	73.34, 47.36, -21.80
CIE LCh	73, 52.139, 335.288
Yxy	45.6807, 0.3394, 0.2522
Android (android.graphics.Color)	4294349789 (0xFFFF693DD)
YUV	185.0370, 17.7298, 53.4646
Hunter-Lab	67.5875, 44.1206, -17.5890

# Details

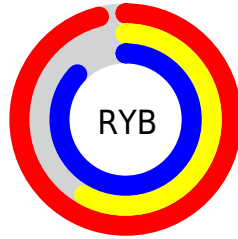
The XYZ color **61.4909, 45.6807, 73.9829** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **52.4368, 75.0946, 50.7639**, and the grayscale version is **46.0267, 48.4237, 52.7334**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **31.6247, 21.4499, 38.5498** is the 20% darker color. If you saturate the color by 10%, you get **57.2544, 38.5074, 68.5625**, and if you desaturate by 10%, it is **66.5787, 54.5062, 79.8392**.

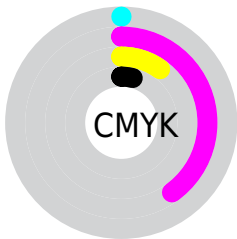
# Distribution



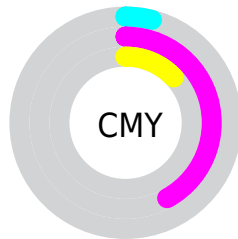
- Red (96%)
- Green (58%)
- Blue (87%)



- Red (96%)
- Yellow (58%)
- Blue (87%)



- Cyan (0%)
- Magenta (40%)
- Yellow (10%)
- Black (4%)




- Cyan (4%)
- Magenta (42%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4909, 45.6807, 73.9829 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 61.4909, 45.6807, 73.9829 by changing the saturation by 10% instead.





 61.4909, 45.6807,  
73.9829


 61.4909, 45.6807,  
73.9829


419.8188,  
369.5235, 493.5762

 44.8755, 31.9939,  
54.2833

 106.0835, 83.7409,  
126.6054

 31.5602, 21.3569,  
38.4335


 134.7914,  
108.8832, 160.3654

 21.1797, 13.3851,  
26.0149


168.2609,  
138.6127, 199.6493

 13.3687, 7.6943,  
16.6089

206.8572,  
173.3139, 244.8756

 7.7616, 3.8999,  
9.7971

250.9458,  
213.3712, 296.4630

 3.9933, 1.6178,  
5.1608

300.8921,

 1.6984, 0.3695,

259.1690, 354.8298

2.2815

357.0613,  
311.0916, 420.3947

■ 0.4552, 0.0000,  
0.7208

■ 0.0000, 0.0000,  
0.0000

■ 61.4909, 45.6807,  
73.9829

■ 61.4909, 45.6807,  
73.9829

■ 57.2544, 38.5074,  
68.5625

■ 66.5787, 54.5062,  
79.8392

■ 53.8121, 32.8745,  
63.5558

■ 72.5618, 65.0735,  
86.1462

■ 51.1062, 28.6667,  
58.9425

■ 79.4862, 77.4735,  
92.9212

■ 49.0693, 25.7492,  
54.6984

■ 87.3936, 91.7887,  
100.1797

■ 47.6207, 23.9615,  
50.7949

■ 91.3472, 98.1453,  
106.2776

■ 46.6452, 23.0485,  
47.2695

■ 91.8164, 98.3330,  
108.7487

# Harmonies

## Analogous

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



54.4243, 45.6807, 103.4076



61.4909, 45.6807, 73.9829



63.4535, 45.6807, 45.2268

# Triad

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



61.4909, 45.6807, 73.9829



41.8128, 45.6807, 14.4917



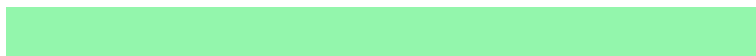
30.5548, 45.6807, 84.9953

# Complementary

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



61.4909, 45.6807, 73.9829



52.4368, 75.0946, 50.7639

# 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.



28.1181, 45.6807, 54.5408



61.4909, 45.6807, 73.9829



34.0059, 45.6807, 18.8524

# Square

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



61.4909, 45.6807, 73.9829



51.2162, 45.6807, 16.5177



29.2866, 45.6807, 31.4702



36.4547, 45.6807, 111.1780



# Rectangle

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



61.4909, 45.6807, 73.9829



61.3963, 45.6807, 31.1317



29.2866, 45.6807, 31.4702



29.3444, 45.6807, 74.5852

# Sweetspot

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



61.4923, 45.6828, 73.9838



84.8338, 81.5188, 99.4796



44.0288, 36.2661, 91.8692



17.9400, 17.0569, 21.0831



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.



61.4923, 45.6828, 73.9838



63.0395, 43.3124, 75.6219



55.8639, 43.4314, 44.3451



17.0244, 16.6926, 19.8749



24.9566, 12.3261, 25.5434



2.2345, 1.0998, 2.4615



# Inverse Universe

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



61.4923, 45.6828, 73.9838



63.0395, 43.3124, 75.6219



58.0746, 77.3497, 80.4521



17.0244, 16.6926, 19.8749



24.9566, 12.3261, 25.5434

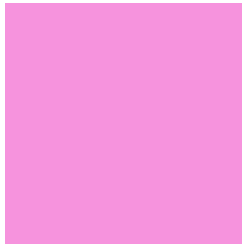


2.2345, 1.0998, 2.4615



# Previews

## White Background



This preview shows how the XYZ color 61.4909, 45.6807, 73.9829 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 61.4909, 45.6807, 73.9829 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 61.4909, 45.6807, 73.9829**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.4909, 45.6807, 73.9829.



This preview shows how white text looks on a background with the XYZ color 61.4909, 45.6807,



# 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

61.4909, 45.6807, 73.9829

### Protanopia

47.1498, 46.0538, 91.9922

### Deuteranopia

46.9761, 45.8323, 71.3364



## Tritanopia

55.1536, 45.5038, 43.4123

# Trichromacy



## Original Color

61.4909, 45.6807, 73.9829



## Protanomaly

50.9514, 45.0310, 85.3633



## Deuteranomaly

51.2869, 44.9514, 72.3030



## Tritanomaly

57.0863, 45.2906, 53.3101

# Monochromacy



## Original Color

61.4909, 45.6807, 73.9829



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

50.4881, 46.4684, 59.7344

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.4909, 45.6807, 73.9829 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, 147, 221)` looks like.

```
.text, #text, p{  
    color:rgb(246, 147, 221)  
}
```

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, 147, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 147, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 61.4909, 45.6807, 73.9829 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, 147, 221) }
```



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

```
.border{ border-color:rgb(246, 147, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 147, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 147, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 147, 221);  
box-shadow:4px 4px 4px 4px rgb(246, 147,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.4909, 45.6807, 73.9829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 147, 221) }
```

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

```
.background{ background-color: rgb(246,  
147, 221) }
```

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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