

# Converting Colors

XYZ(87.7765, 58.7195, 61.2373)

Have a look what the booklet for  
XYZ(87.7765, 58.7195, 61.2373)  
contains.

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# Color

**XYZ(61.4878, 45.0751,  
60.1032)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8FC8
RGB	255, 143, 200
RGB Percent	100%, 56%, 78%
CMY	0.0000, 0.4392, 0.2157
CMYK	0.00, 0.44, 0.22, 0.00
HSL	329°, 100%, 78%
HSV	329°, 44%, 100%
XYZ	61.4878, 45.0751, 60.1032
YIQ	182.9860, 48.4550, 41.4710

# Conversions

## Conversions Part 2

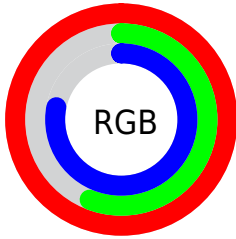
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 143, 200
Decimal	16748488
CIE <sub>Lab</sub>	72.94, 49.07, -10.72
CIE <sub>LCh</sub>	73, 50.223, 347.681
Yxy	45.0751, 0.3689, 0.2705
Android (android.graphics.Color)	4294938568 (0xFFFF8FC8)
YUV	182.9860, 8.3879, 63.1563
Hunter-Lab	67.1380, 45.9863, -6.0809

# Details

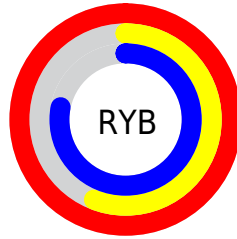
The XYZ color **61.4878, 45.0751, 60.1032** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **57.2826, 81.4377, 66.1296**, and the grayscale version is **44.9402, 47.2806, 51.4886**.

A 20% lighter version of the original color is **79.7134, 69.3268, 103.7878**, and **31.5256, 20.9558, 29.5774** is the 20% darker color. If you saturate the color by 10%, you get **56.6814, 37.7094, 51.5737**, and if you desaturate by 10%, it is **67.2863, 54.2327, 69.5559**.

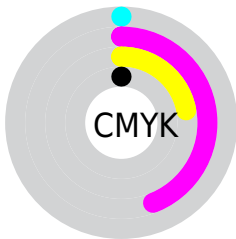
# Distribution



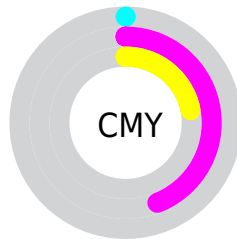
- Red (100%)
- Green (56%)
- Blue (78%)



- Red (100%)
- Yellow (56%)
- Blue (78%)



- Cyan (0%)
- Magenta (44%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4878, 45.0751, 60.1032 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 61.4878, 45.0751, 60.1032 by changing the saturation by 10% instead.




 61.4878, 45.0751,  
60.1032


 61.4878, 45.0751,  
60.1032


419.8077,  
367.0776, 442.7933

 44.8730, 31.5166,  
43.0760

 106.0790, 82.8331,  
106.5242

 31.5582, 20.9925,  
29.6129


 134.7862,  
107.8014, 136.7551

 21.1782, 13.1185,  
19.2954


168.2548,  
137.3417, 172.2242

 13.3675, 7.5102,  
11.7049

206.8503,  
171.8384, 213.3502

 7.7609, 3.7832,  
6.4230

250.9379,  
211.6760, 260.5515

 3.9928, 1.5530,  
3.0310

300.8832,

 1.6981, 0.3256,

257.2388, 314.2468

1.1105

357.0513,  
308.9112, 374.8545

■ 0.4551, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.4878, 45.0751,  
60.1032

■ 61.4878, 45.0751,  
60.1032

■ 56.6814, 37.7094,  
51.5737

■ 67.2863, 54.2327,  
69.5559

■ 52.8012, 32.0089,  
43.9297

■ 74.1303, 65.2854,  
79.9618

■ 49.7781, 27.8400,  
37.1343

■ 82.0734, 78.3357,  
91.3523

■ 47.5309, 25.0454,  
31.1450

■ 91.1643, 93.4769,  
103.7565

■ 45.9612, 23.4334,  
25.9132

95.0500, 100.0000,  
108.9000

■ 45.2539, 22.8656,  
23.0670

# Harmonies

## Analogous

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



56.5374, 45.0751, 89.2299



61.4878, 45.0751, 60.1032



60.9705, 45.0751, 35.8418

# Triad

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



61.4878, 45.0751, 60.1032



37.9294, 45.0751, 15.9803



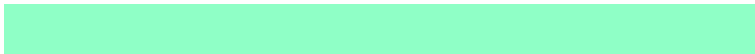
32.4768, 45.0751, 94.0664

# Complementary

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



61.4878, 45.0751, 60.1032



57.2826, 81.4377, 66.1296

# 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.



28.7192, 45.0751, 65.2301



61.4878, 45.0751, 60.1032



31.5596, 45.0751, 23.2458

# Square

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



61.4878, 45.0751, 60.1032



46.5363, 45.0751, 15.4340



28.4081, 45.0751, 39.4929



39.3496, 45.0751, 112.8729



# Rectangle

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



61.4878, 45.0751, 60.1032



57.5977, 45.0751, 25.1100



28.4081, 45.0751, 39.4929



30.8506, 45.0751, 84.8503

# Sweetspot

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



61.4889, 45.0772, 60.1041



82.8601, 79.6384, 92.4494



50.9353, 38.7558, 99.4038



17.3345, 16.3825, 19.2270



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.



61.4889, 45.0772, 60.1041



57.0835, 38.3149, 52.3200



56.1646, 42.9474, 32.0664



18.3952, 18.1414, 20.6981



23.7218, 11.9780, 12.4514



2.3649, 1.1883, 1.5030



# Inverse Universe

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



61.4889, 45.0772, 60.1041



57.0835, 38.3149, 52.3200



64.8398, 84.4606, 105.9251



18.3952, 18.1414, 20.6981



23.7218, 11.9780, 12.4514

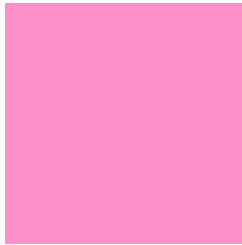


2.3649, 1.1883, 1.5030



# Previews

## White Background



This preview shows how the XYZ color 61.4878, 45.0751, 60.1032 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

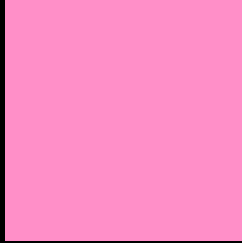
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.4878, 45.0751, 60.1032 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 61.4878, 45.0751, 60.1032**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.4878, 45.0751, 60.1032.



This preview shows how white text looks on a background with the XYZ color 61.4878, 45.0751,



# 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

61.4878, 45.0751, 60.1032

### Protanopia

45.6019, 45.6035, 76.2109

### Deuteranopia

46.2216, 45.1594, 57.9103



## Tritanopia

57.2116, 44.9306, 39.8395

# Trichromacy



## Original Color

61.4878, 45.0751, 60.1032



## Protanomaly

49.5403, 44.0959, 70.1903



## Deuteranomaly

50.9068, 44.5217, 58.7338



## Tritanomaly

58.4151, 44.6975, 46.6230

# Monochromacy



## Original Color

61.4878, 45.0751, 60.1032



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

49.4824, 45.2347, 54.2673

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.4878, 45.0751, 60.1032 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, 143, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 200)  
}
```

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, 143, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 61.4878, 45.0751, 60.1032 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, 143, 200) }
```



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

```
.border{ border-color:rgb(255, 143, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 143, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.4878, 45.0751, 60.1032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 200) }
```

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

```
.background{ background-color: rgb(255,  
143, 200) }
```

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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