

# Converting Colors

XYZ(73.5883, 60.3133, 91.7675)

Have a look what the booklet for  
XYZ(73.5883, 60.3133, 91.7675)  
contains.

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# Color

**XYZ(73.5883, 60.3133,  
91.7675)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB4F2
RGB	255, 180, 242
RGB Percent	100%, 71%, 95%
CMY	0.0000, 0.2941, 0.0510
CMYK	0.00, 0.29, 0.05, 0.00
HSL	310°, 100%, 85%
HSV	310°, 29%, 100%
XYZ	73.5883, 60.3133, 91.7675
YIQ	209.4930, 24.7980, 35.1820

# Conversions

## Conversions Part 2

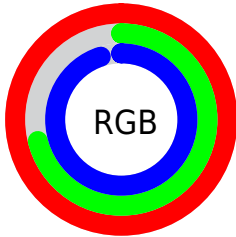
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 180, 242
Decimal	16758002
CIE Lab	82.01, 36.67, -19.94
CIE LCh	82, 41.741, 331.467
Yxy	60.3133, 0.3261, 0.2673
Android (android.graphics.Color)	4294948082 (0xFFFFB4F2)
YUV	209.4930, 16.0260, 39.9096
Hunter-Lab	77.6616, 33.2298, -15.6958

# Details

The XYZ color **73.5883, 60.3133, 91.7675** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.2099, 85.0744, 63.4916**, and the grayscale version is **60.8148, 63.9819, 69.6763**.

A 20% lighter version of the original color is **89.5742, 89.0484, 107.0747**, and **39.3497, 30.3372, 50.2361** is the 20% darker color. If you saturate the color by 10%, you get **68.2504, 50.6870, 86.7530**, and if you desaturate by 10%, it is **79.8918, 71.8447, 97.1847**.

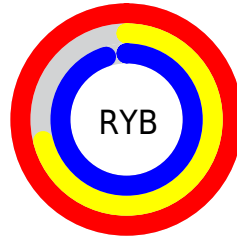
# Distribution



Red (100%)

Green (71%)

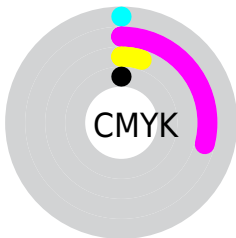
Blue (95%)



Red (100%)

Yellow (71%)

Blue (95%)

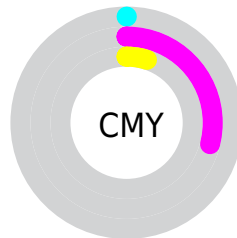


Cyan (0%)

Magenta (29%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.5883, 60.3133, 91.7675 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 73.5883, 60.3133, 91.7675 by changing the saturation by 10% instead.





 73.5883, 60.3133,  
91.7675

 73.5883, 60.3133,  
91.7675


462.1235,  
425.7516, 554.4816

 54.7472, 43.6712,  
68.8656


 123.3107,  
105.2840, 151.7480

 39.4324, 30.4121,  
50.1312


154.9227,  
134.3814, 189.6637

 27.2785, 20.1516,  
35.1457


191.5223,  
168.3994, 233.4210

 17.9202, 12.5053,  
23.4907

233.4751,  
207.7224, 283.4386

 10.9920, 7.0888,  
14.7476

281.1462,  
252.7347, 340.1349

 6.1287, 3.5177,  
8.4978


334.9011,


 2.9649, 1.4076,


303.8207, 403.9284


4.3228


395.1051,  
361.3649, 475.2378


 1.1352, 0.2223,  
1.8040


 0.0543, 0.0000,  
0.4306


 73.5883, 60.3133,  
91.7675


 73.5883, 60.3133,  
91.7675

 68.2504, 50.6870,  
86.7530


 79.8918, 71.8447,  
97.1847

 63.8220, 42.8544,  
82.1195

 87.2050, 85.3700,  
103.0173

 60.2474, 36.7041,  
77.8486

95.0500, 100.0000,  
108.9000

 57.4630, 32.1089,  
73.9186

■ 55.3959, 28.9234,  
70.3047

■ 53.9598, 26.9752,  
66.9774

■ 53.0219, 25.9989,  
63.8920

■ 52.9728, 25.9531,  
63.7143

# Harmonies

## Analogous

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



66.6618, 60.3133, 116.5399



73.5883, 60.3133, 91.7675



76.0463, 60.3133, 64.4327

# Triad

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



73.5883, 60.3133, 91.7675



56.8920, 60.3133, 28.0456



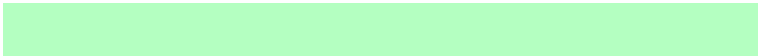
44.0194, 60.3133, 94.4917

# Complementary

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



73.5883, 60.3133, 91.7675



64.2099, 85.0744, 63.4916

# 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.



41.9615, 60.3133, 66.9249



73.5883, 60.3133, 91.7675



48.9052, 60.3133, 32.2933

# Square

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



73.5883, 60.3133, 91.7675



65.8319, 60.3133, 31.5231



43.6555, 60.3133, 45.0600



49.5863, 60.3133, 118.3760



# Rectangle

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



73.5883, 60.3133, 91.7675



74.6386, 60.3133, 49.4222



43.6555, 60.3133, 45.0600



42.9216, 60.3133, 85.1398

# Sweetspot

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



73.5896, 60.3157, 91.7687



87.5267, 85.9678, 103.2653



56.2387, 51.1373, 101.5141



18.4914, 17.9495, 21.9152



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.



73.5896, 60.3157, 91.7687



70.4893, 54.7050, 88.9165



68.5823, 58.3128, 65.4008



18.6496, 18.2431, 22.0377



27.7290, 13.5809, 33.5529



2.7339, 1.3359, 3.4459



# Inverse Universe

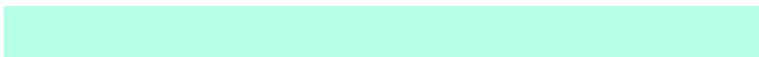
The Inverse Universe completely reimagines the original color for something new.



73.5896, 60.3157, 91.7687



70.4893, 54.7050, 88.9165



68.8669, 86.9373, 88.0152



18.6496, 18.2431, 22.0377



27.7290, 13.5809, 33.5529



2.7339, 1.3359, 3.4459



# Previews

## White Background



This preview shows how the XYZ color 73.5883, 60.3133, 91.7675 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

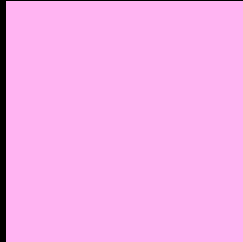
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.5883, 60.3133, 91.7675 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

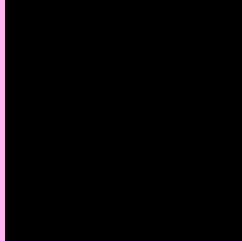
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.5883, 60.3133, 91.7675**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.5883, 60.3133, 91.7675.



This preview shows how white text looks on a background with the XYZ color 73.5883, 60.3133,

91.7675.

# 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

73.5883, 60.3133, 91.7675

### Protanopia

60.6564, 60.5374, 103.0957

### Deuteranopia

61.8685, 60.4298, 89.2922



## Tritanopia

67.8553, 60.1289, 63.9068

# Trichromacy



## Original Color

73.5883, 60.3133, 91.7675



## Protanomaly

64.2787, 59.7818, 98.5937



## Deuteranomaly

65.4810, 59.9388, 89.7795



## Tritanomaly

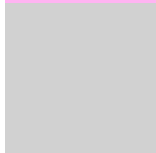
69.8098, 59.9862, 73.5448

# Monochromacy



## Original Color

73.5883, 60.3133, 91.7675



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

64.6093, 61.7774, 76.9256

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.5883, 60.3133, 91.7675 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, 180, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 242)  
}
```

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, 180, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 73.5883, 60.3133, 91.7675 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, 180, 242) }
```



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

```
.border{ border-color:rgb(255, 180, 242) }
```

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

Here you see how a box with a 4 pixel rgb(255, 180, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.5883, 60.3133, 91.7675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 242) }
```

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

```
.background{ background-color: rgb(255,  
180, 242) }
```

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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