

# Converting Colors

XYZ(60.3535, 38.1761, 73.9998)

Have a look what the booklet for  
XYZ(60.3535, 38.1761, 73.9998)  
contains.

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# Color

**XYZ(60.3535, 38.1761,  
73.9998)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF70DF
RGB	255, 112, 223
RGB Percent	100%, 44%, 87%
CMY	0.0000, 0.5608, 0.1255
CMYK	0.00, 0.56, 0.13, 0.00
HSL	313°, 100%, 72%
HSV	313°, 56%, 100%
XYZ	60.3535, 38.1761, 73.9998
YIQ	167.4110, 49.5970, 64.8370

# Conversions

## Conversions Part 2

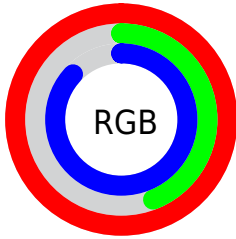
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 112, 223</a>
Decimal	<a href="#">16740575</a>
CIELab	<a href="#">68.15, 67.04, -30.75</a>
CIELCh	<a href="#">68, 73.760, 335.358</a>
Yxy	<a href="#">38.1761, 0.3498, 0.2213</a>
Android (android.graphics.Color)	<a href="#">4294930655 (0xFFFF70DF)</a>
YUV	<a href="#">167.4110, 27.4054, 76.8156</a>
Hunter-Lab	<a href="#">61.7868, 66.2323, -27.7587</a>

# Details

The XYZ color **60.3535, 38.1761, 73.9998** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **47.4776, 76.9790, 38.7444**, and the grayscale version is **36.7859, 38.7016, 42.1460**.

A 20% lighter version of the original color is **73.4780, 56.8559, 101.7093**, and **30.8016, 16.8852, 38.6815** is the 20% darker color. If you saturate the color by 10%, you get **57.1711, 33.0220, 69.2071**, and if you desaturate by 10%, it is **64.3599, 44.9367, 79.1961**.

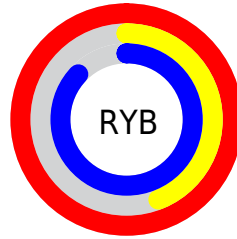
# Distribution



Red (100%)

Green (44%)

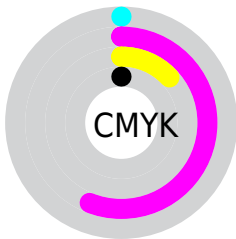
Blue (87%)



Red (100%)

Yellow (44%)

Blue (87%)

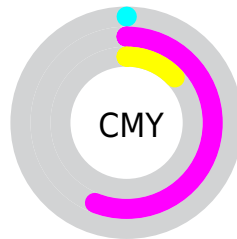


Cyan (0%)

Magenta (56%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (56%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.3535, 38.1761, 73.9998 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 60.3535, 38.1761, 73.9998 by changing the saturation by 10% instead.




 60.3535, 38.1761,  
73.9998


 60.3535, 38.1761,  
73.9998


415.7134,  
338.3748, 493.6361


 43.9542, 26.1194,  
54.2971


 104.4457, 72.3780,  
126.6296

 30.8322, 16.9130,  
38.4444


 132.8693, 95.2919,  
160.3937

 20.6223, 10.1725,  
26.0233


 166.0318,  
122.5938, 199.6821

 12.9591, 5.5135,  
16.6152

204.2983,  
154.6679, 244.9132

 7.4772, 2.5516,  
9.8014

248.0344,  
191.8986, 296.5056

 3.8113, 0.9024,  
5.1636

297.6054,

 1.5959, 0.0000,

234.6704, 354.8779

2.2832

353.3766,  
283.3677, 420.4485

■ 0.3897, 0.0000,  
0.7218

■ 0.0000, 0.0000,  
0.0000

■ 60.3535, 38.1761,  
73.9998

■ 60.3535, 38.1761,  
73.9998

■ 57.1711, 33.0220,  
69.2071

■ 64.3599, 44.9367,  
79.1961

■ 54.7409, 29.3310,  
64.7913

■ 69.2493, 53.4213,  
84.8153

■ 52.9822, 26.9426,  
60.7249

■ 75.0778, 63.7420,  
90.8780

■ 51.7944, 25.6556,  
56.9729

■ 81.8964, 76.0000,  
97.4023

■ 51.4256, 25.3342,  
55.5666

■ 89.7520, 90.2892,  
104.4051

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



50.6615, 38.1761, 117.6706



60.3535, 38.1761, 73.9998



63.0882, 38.1761, 35.9244

# Triad

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



60.3535, 38.1761, 73.9998



34.2574, 38.1761, 5.0061



21.0605, 38.1761, 90.1045

# Complementary

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



60.3535, 38.1761, 73.9998



47.4776, 76.9790, 38.7444

# 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.



18.4068, 38.1761, 47.7721



60.3535, 38.1761, 73.9998



24.9238, 38.1761, 8.3382

# Square

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



60.3535, 38.1761, 73.9998



46.3197, 38.1761, 6.4698



19.6548, 38.1761, 20.3411



27.8159, 38.1761, 129.9180



# Rectangle

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



60.3535, 38.1761, 73.9998



60.1897, 38.1761, 19.8990



19.6548, 38.1761, 20.3411



19.7325, 38.1761, 75.0582

# Sweetspot

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



60.3544, 38.1777, 74.0005



81.2232, 74.7830, 96.7794



35.1708, 24.6486, 97.5117



17.0785, 15.4533, 20.4280



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.



60.3544, 38.1777, 74.0005



56.9160, 32.6216, 68.7834



52.7453, 35.1341, 33.9320



18.6085, 18.2267, 21.8213



26.9299, 13.2613, 29.3450



2.6628, 1.3075, 3.0716



# Inverse Universe

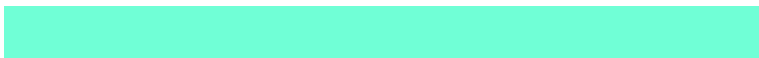
The Inverse Universe completely reimagines the original color for something new.



60.3544, 38.1777, 74.0005



56.9160, 32.6216, 68.7834



54.6427, 79.8451, 76.4755



18.6085, 18.2267, 21.8213



26.9299, 13.2613, 29.3450

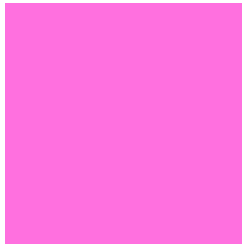


2.6628, 1.3075, 3.0716



# Previews

## White Background



This preview shows how the XYZ color 60.3535, 38.1761, 73.9998 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

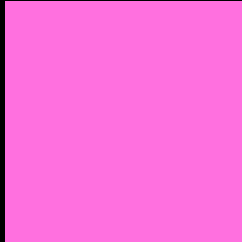
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.3535, 38.1761, 73.9998 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

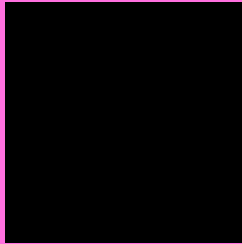
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 60.3535, 38.1761, 73.9998**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.3535, 38.1761, 73.9998.



This preview shows how white text looks on a background with the XYZ color 60.3535, 38.1761,



# 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

60.3535, 38.1761, 73.9998

### Protanopia

40.9983, 38.7575, 99.9278

### Deuteranopia

39.2676, 38.2688, 69.6070



## Tritanopia

51.0650, 38.0184, 29.8462

# Trichromacy



## Original Color

60.3535, 38.1761, 73.9998



## Protanomaly

44.4345, 36.0690, 89.4141



## Deuteranomaly

44.6205, 36.3459, 70.9934



## Tritanomaly

53.7512, 37.7472, 42.9810

# Monochromacy



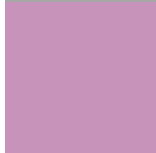
## Original Color

60.3535, 38.1761, 73.9998



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

42.9565, 36.5974, 51.8137

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.3535, 38.1761, 73.9998 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, 112, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 223)  
}
```

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, 112, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 60.3535, 38.1761, 73.9998 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, 112, 223) }
```



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

```
.border{ border-color:rgb(255, 112, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.3535, 38.1761, 73.9998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 223) }
```

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

```
.background{ background-color: rgb(255,  
112, 223) }
```

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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