

# Converting Colors

XYZ(63.6091, 40.6532, 78.0098)

Have a look what the booklet for  
XYZ(63.6091, 40.6532, 78.0098)  
contains.

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# Color

**XYZ(61.6049, 39.5840,  
77.7923)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF75E4
RGB	255, 117, 228
RGB Percent	100%, 46%, 89%
CMY	0.0000, 0.5411, 0.1059
CMYK	0.00, 0.54, 0.11, 0.00
HSL	312°, 100%, 73%
HSV	312°, 54%, 100%
XYZ	61.6049, 39.5840, 77.7923
YIQ	170.9160, 46.6170, 63.7770

# Conversions

## Conversions Part 2

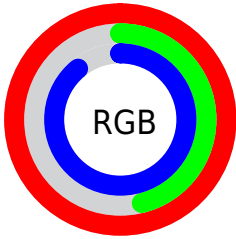
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 117, 228
Decimal	16741860
CIE <sub>Lab</sub>	69.17, 65.59, -31.95
CIE <sub>LCh</sub>	69, 72.954, 334.030
Yxy	39.5840, 0.3442, 0.2212
Android (android.graphics.Color)	4294931940 (0xFFFF75E4)
YUV	170.9160, 28.1424, 73.7417
Hunter-Lab	62.9158, 64.6781, -29.2681

# Details

The XYZ color **61.6049, 39.5840, 77.7923** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.1315, 77.3162, 38.7747**, and the grayscale version is **38.5147, 40.5205, 44.1268**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **31.5160, 17.7086, 40.7867** is the 20% darker color. If you saturate the color by 10%, you get **58.3454, 34.1574, 73.3380**, and if you desaturate by 10%, it is **65.6951, 46.6398, 82.6231**.

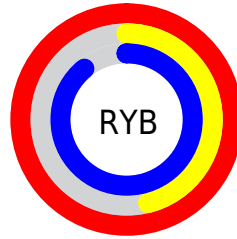
# Distribution



Red (100%)

Green (46%)

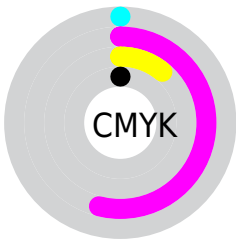
Blue (89%)



Red (100%)

Yellow (46%)

Blue (89%)

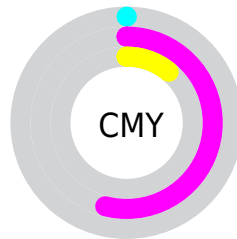


Cyan (0%)

Magenta (54%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (54%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.6049, 39.5840, 77.7923 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 61.6049, 39.5840, 77.7923 by changing the saturation by 10% instead.





 61.6049, 39.5840,  
77.7923

 61.6049, 39.5840,  
77.7923


420.2290,  
344.3671, 506.9704


 44.9679, 27.2143,  
57.3879


 106.2475, 74.5296,  
132.0405

 31.6333, 17.7343,  
40.9054

 134.9837, 97.8744,  
166.7214

 21.2358, 10.7594,  
27.9260

 168.4838,  
125.6463, 206.9983

 13.4099, 5.9053,  
18.0313

207.1131,  
158.2298, 253.2896

 7.7903, 2.7876,  
10.8028

251.2369,  
196.0092, 306.0139

 4.0118, 1.0219,  
5.8219

301.2206,

 1.7088, 0.0000,

239.3689, 365.5898

2.6701

357.4295,  
288.6934, 432.4358

■ 0.4618, 0.0000,  
0.9283

■ 0.0000, 0.0000,  
0.0000

■ 61.6049, 39.5840,  
77.7923

■ 61.6049, 39.5840,  
77.7923

■ 58.3454, 34.1574,  
73.3380

■ 65.6951, 46.6398,  
82.6231

■ 55.8464, 30.2203,  
69.2345

■ 70.6734, 55.4396,  
87.8489

■ 54.0304, 27.6177,  
65.4557

■ 76.5951, 66.0936,  
93.4893

■ 52.8015, 26.1581,  
61.9687

■ 83.5100, 78.7013,  
99.5619

■ 52.2724, 25.6730,  
60.0259

■ 91.4646, 93.3553,  
106.0829

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.



51.6231, 39.5840, 121.2613



61.6049, 39.5840, 77.7923



64.7255, 39.5840, 38.7416

# Triad

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



61.6049, 39.5840, 77.7923



36.0690, 39.5840, 5.5321



21.9284, 39.5840, 89.9690

# Complementary

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



61.6049, 39.5840, 77.7923



48.1315, 77.3162, 38.7747

# 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.



19.3916, 39.5840, 47.7742



61.6049, 39.5840, 77.7923



26.4155, 39.5840, 8.7749

# Square

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



61.6049, 39.5840, 77.7923



48.3247, 39.5840, 7.3034



20.8468, 39.5840, 20.6469



28.6315, 39.5840, 130.4827



# Rectangle

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



61.6049, 39.5840, 77.7923



62.0518, 39.5840, 21.8773



20.8468, 39.5840, 20.6469



20.6310, 39.5840, 74.9068

# Sweetspot

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



61.6058, 39.5856, 77.7931



82.1284, 76.1709, 98.3834



35.6199, 25.7220, 97.6952



17.2649, 15.7299, 20.7865



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.



61.6058, 39.5856, 77.7931



58.0946, 33.7510, 72.9610



54.0091, 36.5470, 37.7895



18.6313, 18.2358, 21.9417



27.3674, 13.4363, 31.6489



2.7018, 1.3231, 3.2770



# Inverse Universe

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



61.6058, 39.5856, 77.7931



58.0946, 33.7510, 72.9610



54.8928, 80.0207, 74.3792



18.6313, 18.2358, 21.9417



27.3674, 13.4363, 31.6489



2.7018, 1.3231, 3.2770



# Previews

## White Background



This preview shows how the XYZ color 61.6049, 39.5840, 77.7923 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

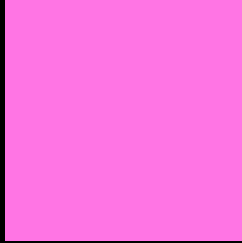
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.6049, 39.5840, 77.7923 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 61.6049, 39.5840, 77.7923**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.6049, 39.5840, 77.7923.



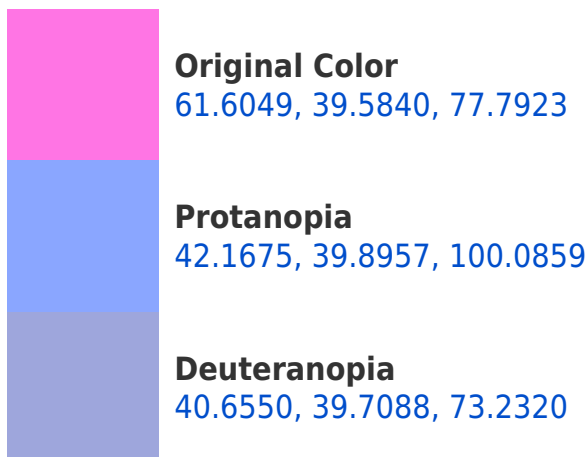
This preview shows how white text looks on a background with the XYZ color 61.6049, 39.5840,

77.7923.

# 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





## Tritanopia

51.9985, 39.2765, 32.0346

# Trichromacy



## Original Color

61.6049, 39.5840, 77.7923



## Protanomaly

46.1274, 37.5961, 91.2118



## Deuteranomaly

45.9015, 37.8450, 74.6976



## Tritanomaly

54.7537, 38.9748, 45.7114

# Monochromacy



## Original Color

61.6049, 39.5840, 77.7923



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

44.9382, 38.4955, 54.9311

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.6049, 39.5840, 77.7923 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, 117, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 228)  
}
```

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, 117, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 61.6049, 39.5840, 77.7923 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, 117, 228) }
```



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

```
.border{ border-color:rgb(255, 117, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.6049, 39.5840, 77.7923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 228) }
```

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

```
.background{ background-color: rgb(255,  
117, 228) }
```

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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