

# Converting Colors

XYZ(61.5018, 40.6903, 73.7131)

Have a look what the booklet for  
XYZ(61.5018, 40.6903, 73.7131)  
contains.

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# Color

**XYZ(61.5078, 40.6998,  
73.7213)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF7BDE
RGB	255, 123, 222
RGB Percent	100%, 48%, 87%
CMY	0.0000, 0.5176, 0.1294
CMYK	0.00, 0.52, 0.13, 0.00
HSL	315°, 100%, 74%
HSV	315°, 52%, 100%
XYZ	61.5078, 40.6998, 73.7213
YIQ	173.7540, 46.8930, 58.7730

# Conversions

## Conversions Part 2

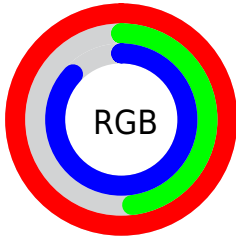
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 123, 222</a>
Decimal	<a href="#">16743390</a>
CIELab	<a href="#">69.97, 61.94, -27.40</a>
CIELCh	<a href="#">70, 67.734, 336.134</a>
Yxy	<a href="#">40.6998, 0.3496, 0.2313</a>
Android (android.graphics.Color)	<a href="#">4294933470 (0xFFFF7BDE)</a>
YUV	<a href="#">173.7540, 23.7853, 71.2527</a>
Hunter-Lab	<a href="#">63.7964, 60.4529, -23.8564</a>

# Details

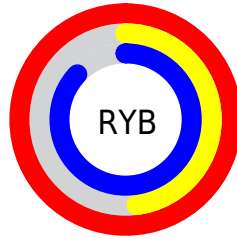
The XYZ color **61.5078, 40.6998, 73.7213** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **49.9306, 78.1319, 43.9044**, and the grayscale version is **39.9722, 42.0539, 45.7967**.

A 20% lighter version of the original color is **75.6113, 61.1225, 102.4204**, and **31.6882, 18.4222, 38.4449** is the 20% darker color. If you saturate the color by 10%, you get **57.9080, 34.8418, 68.3853**, and if you desaturate by 10%, it is **65.9654, 48.2214, 79.5036**.

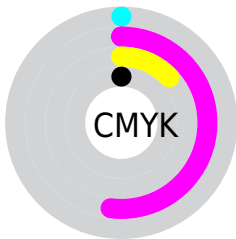
# Distribution



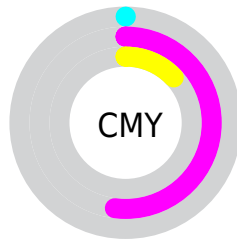
- Red (100%)
- Green (48%)
- Blue (87%)



- Red (100%)
- Yellow (48%)
- Blue (87%)



- Cyan (0%)
- Magenta (52%)
- Yellow (13%)
- Black (0%)




- Cyan (0%)
- Magenta (52%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5078, 40.6998, 73.7213 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 61.5078, 40.6998, 73.7213 by changing the saturation by 10% instead.





 61.5078, 40.6998,  
73.7213


 61.5078, 40.6998,  
73.7213


419.8797,  
349.0644, 492.6486


 44.8892, 28.0846,  
54.0706

 106.1078, 76.2280,  
126.2310

 31.5711, 18.3894,  
38.2645


 134.8199, 99.9097,  
159.9271

 21.1880, 11.2299,  
25.8846


 168.2939,  
128.0491, 199.1421

 13.3748, 6.2217,  
16.5124

206.8952,  
161.0305, 244.2944

 7.7659, 2.9804,  
9.7292

250.9890,  
199.2384, 295.8027

 3.9961, 1.1215,  
5.1165

300.9408,

 1.6999, 0.0000,

243.0570, 354.0854

2.2558

357.1159,  
292.8709, 419.5612

■ 0.4562, 0.0000,  
0.7063

■ 0.0000, 0.0000,  
0.0000

■ 61.5078, 40.6998,  
73.7213

■ 61.5078, 40.6998,  
73.7213

■ 57.9080, 34.8418,  
68.3853

■ 65.9654, 48.2214,  
79.5036

■ 55.0975, 30.5114,  
63.4696

■ 71.3368, 57.5184,  
85.7512

■ 53.0015, 27.5597,  
58.9481

■ 77.6762, 68.6988,  
92.4842

■ 51.5291, 25.8049,  
54.7884

■ 85.0330, 81.8604,  
99.7209

■ 50.6713, 25.0325,  
51.5947

■ 93.4529, 97.0943,  
107.4780

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.



52.5903, 40.6998, 113.7215



61.5078, 40.6998, 73.7213



63.8422, 40.6998, 38.1347

# Triad

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



61.5078, 40.6998, 73.7213



36.4610, 40.6998, 7.1983



23.9557, 40.6998, 90.6630

# Complementary

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



61.5078, 40.6998, 73.7213



49.9306, 78.1319, 43.9044

# 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.



21.1928, 40.6998, 51.1297



61.5078, 40.6998, 73.7213



27.4744, 40.6998, 11.1293

# Square

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



61.5078, 40.6998, 73.7213



47.9174, 40.6998, 8.7398



22.3462, 40.6998, 23.9989



30.7201, 40.6998, 126.3299



# Rectangle

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



61.5078, 40.6998, 73.7213



61.0255, 40.6998, 22.5793



22.3462, 40.6998, 23.9989



22.5933, 40.6998, 76.8249

# Sweetspot

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



61.5087, 40.7015, 73.7221



81.7881, 76.0348, 96.5915



38.8450, 28.4560, 98.0529



17.1832, 15.6972, 20.3563



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.



61.5087, 40.7015, 73.7221



57.8322, 34.7216, 68.2636



54.3249, 37.8280, 35.8930



18.5872, 18.2182, 21.7093



26.5398, 13.1052, 27.2910



2.6278, 1.2935, 2.8872



# Inverse Universe

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



61.5087, 40.7015, 73.7221



57.8322, 34.7216, 68.2636



57.1144, 81.0055, 81.7338



18.5872, 18.2182, 21.7093



26.5398, 13.1052, 27.2910



2.6278, 1.2935, 2.8872



# Previews

## White Background



This preview shows how the XYZ color 61.5078, 40.6998, 73.7213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

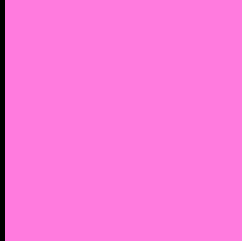
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.5078, 40.6998, 73.7213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

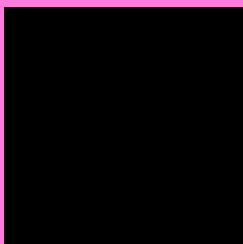
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 61.5078, 40.6998, 73.7213**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.5078, 40.6998, 73.7213.



This preview shows how white text looks on a background with the XYZ color 61.5078, 40.6998,



# 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

61.5078, 40.6998, 73.7213

### Protanopia

43.3933, 41.3467, 100.3014

### Deuteranopia

41.8661, 40.9673, 69.3192



## Tritanopia

53.0954, 40.4414, 33.8617

# Trichromacy



## Original Color

61.5078, 40.6998, 73.7213



## Protanomaly

46.9343, 38.9948, 89.8471



## Deuteranomaly

47.0413, 39.4720, 70.7851



## Tritanomaly

55.6483, 40.2336, 45.9072

# Monochromacy



## Original Color

61.5078, 40.6998, 73.7213



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

45.7539, 39.9008, 54.5803

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.5078, 40.6998, 73.7213 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, 123, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 222)  
}
```

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, 123, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 61.5078, 40.6998, 73.7213 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, 123, 222) }
```



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

```
.border{ border-color:rgb(255, 123, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.5078, 40.6998, 73.7213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 222) }
```

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

```
.background{ background-color: rgb(255,  
123, 222) }
```

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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