

# Converting Colors

XYZ(61.9133, 40.4682, 77.0705)

Have a look what the booklet for  
XYZ(61.9133, 40.4682, 77.0705)  
contains.

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# Color

**XYZ(61.9425, 40.4808,  
77.2219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF79E3
RGB	255, 121, 227
RGB Percent	100%, 47%, 89%
CMY	0.0000, 0.5255, 0.1098
CMYK	0.00, 0.53, 0.11, 0.00
HSL	313°, 100%, 74%
HSV	313°, 53%, 100%
XYZ	61.9425, 40.4808, 77.2219
YIQ	173.1500, 45.8380, 61.3740

# Conversions

## Conversions Part 2

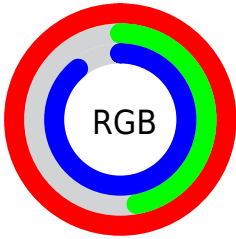
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 121, 227
Decimal	16742883
CIE <sub>Lab</sub>	69.81, 63.62, -30.41
CIE <sub>LCh</sub>	70, 70.517, 334.456
Yxy	40.4808, 0.3448, 0.2253
Android (android.graphics.Color)	4294932963 (0xFFFF79E3)
YUV	173.1500, 26.5481, 71.7825
Hunter-Lab	63.6245, 62.4381, -27.4239

# Details

The XYZ color **61.9425, 40.4808, 77.2219** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **49.0714, 77.7556, 40.8583**, and the grayscale version is **39.6508, 41.7157, 45.4284**.

A 20% lighter version of the original color is **75.2104, 60.3208, 102.2868**, and **31.9490, 18.3428, 40.3847** is the 20% darker color. If you saturate the color by 10%, you get **58.5189, 34.7924, 72.5084**, and if you desaturate by 10%, it is **66.2095, 47.8193, 82.3298**.

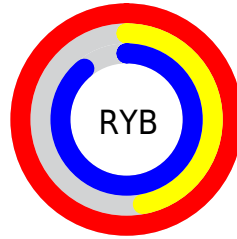
# Distribution



Red (100%)

Green (47%)

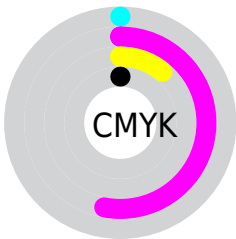
Blue (89%)



Red (100%)

Yellow (47%)

Blue (89%)

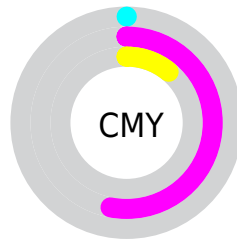


Cyan (0%)

Magenta (53%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (53%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9425, 40.4808, 77.2219 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 61.9425, 40.4808, 77.2219 by changing the saturation by 10% instead.




 61.9425, 40.4808,  
77.2219


 61.9425, 40.4808,  
77.2219


421.4422,  
348.1459, 504.9780


 45.2417, 27.9136,  
56.9224

 106.7328, 75.8951,  
131.2285

 31.8499, 18.2606,  
40.5340


 135.5530, 99.5110,  
165.7727

 21.4019, 11.1372,  
27.6382

 169.1437,  
127.5786, 205.9022

 13.5322, 6.1592,  
17.8164

207.8703,  
160.4823, 252.0355

 7.8756, 2.9421,  
10.6502

252.0981,  
198.6065, 304.5912

 4.0666, 1.1016,  
5.7209

302.1924,

 1.7399, 0.0000,

242.3356, 363.9879

2.6101

358.5187,  
292.0539, 430.6439

■ 0.4810, 0.0000,  
0.8977

■ 0.0000, 0.0000,  
0.0000

■ 61.9425, 40.4808,  
77.2219

■ 61.9425, 40.4808,  
77.2219

■ 58.5189, 34.7924,  
72.5084

■ 66.2095, 47.8193,  
82.3298

■ 55.8698, 30.6168,  
68.1640

■ 71.3762, 56.9206,  
87.8503

■ 53.9195, 27.8033,  
64.1627

■ 77.4971, 67.8933,  
93.8033

■ 52.5755, 26.1670,  
60.4729

■ 84.6217, 80.8359,  
100.2060

■ 51.8670, 25.5108,  
57.8908

■ 92.7957, 95.8398,  
107.0747

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.



52.3177, 40.4808, 119.1446



61.9425, 40.4808, 77.2219



64.8503, 40.4808, 39.3595

# Triad

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



61.9425, 40.4808, 77.2219



36.7913, 40.4808, 6.3711



23.0331, 40.4808, 90.2141

# Complementary

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



61.9425, 40.4808, 77.2219



49.0714, 77.7556, 40.8583

# 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.



20.4418, 40.4808, 49.1566



61.9425, 40.4808, 77.2219



27.3199, 40.4808, 9.8571

# Square

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



61.9425, 40.4808, 77.2219



48.7667, 40.4808, 8.1609



21.8400, 40.4808, 22.1027



29.7451, 40.4808, 128.9006



# Rectangle

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



61.9425, 40.4808, 77.2219



62.1855, 40.4808, 22.7948



21.8400, 40.4808, 22.1027



21.7191, 40.4808, 75.6554

# Sweetspot

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



61.9434, 40.4825, 77.2227



82.0447, 76.1374, 97.9428



37.0658, 27.1742, 97.8993



17.2448, 15.7218, 20.6807



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.



61.9434, 40.4825, 77.2227



58.3825, 34.5712, 72.3035



54.5293, 37.5169, 38.1805



18.6205, 18.2315, 21.8847



27.1580, 13.3525, 30.5461



2.6831, 1.3156, 3.1789



# Inverse Universe

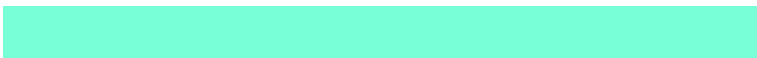
The Inverse Universe completely reimagines the original color for something new.



61.9434, 40.4825, 77.2227



58.3825, 34.5712, 72.3035



55.8864, 80.4816, 76.7457



18.6205, 18.2315, 21.8847



27.1580, 13.3525, 30.5461



2.6831, 1.3156, 3.1789



# Previews

## White Background



This preview shows how the XYZ color 61.9425, 40.4808, 77.2219 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

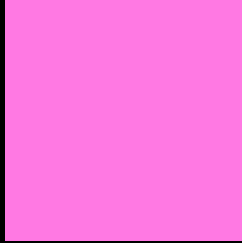
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.9425, 40.4808, 77.2219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

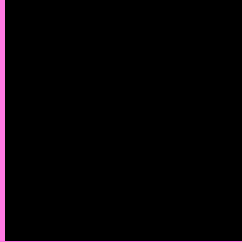
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 61.9425, 40.4808, 77.2219**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.9425, 40.4808, 77.2219.



This preview shows how white text looks on a background with the XYZ color 61.9425, 40.4808,



# 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

61.9425, 40.4808, 77.2219

### Protanopia

43.0371, 40.8880, 100.2316

### Deuteranopia

41.6891, 40.8011, 72.6960



## Tritanopia

53.0152, 40.4093, 33.4393

# Trichromacy



## Original Color

61.9425, 40.4808, 77.2219



## Protanomaly

46.8394, 38.6709, 91.3817



## Deuteranomaly

47.0164, 39.1429, 74.1845



## Tritanomaly

55.6114, 40.0008, 46.3849

# Monochromacy



## Original Color

61.9425, 40.4808, 77.2219



## Achromatopsia

39.7200, 41.7885, 45.5077



## Achromatomaly

45.8098, 39.6580, 55.6924

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.9425, 40.4808, 77.2219 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, 121, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 227)  
}
```

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, 121, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 61.9425, 40.4808, 77.2219 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, 121, 227) }
```



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

```
.border{ border-color:rgb(255, 121, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 121, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.9425, 40.4808, 77.2219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 227) }
```

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

```
.background{ background-color: rgb(255,  
121, 227) }
```

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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