

# Converting Colors

XYZ(77.5095, 48.4144, 70.7393)

Have a look what the booklet for  
XYZ(77.5095, 48.4144, 70.7393)  
contains.

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# Color

**XYZ(60.4809, 39.7027,  
70.1213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF78D9
RGB	255, 120, 217
RGB Percent	100%, 47%, 85%
CMY	0.0000, 0.5294, 0.1490
CMYK	0.00, 0.53, 0.15, 0.00
HSL	317°, 100%, 74%
HSV	317°, 53%, 100%
XYZ	60.4809, 39.7027, 70.1213
YIQ	171.4230, 49.3230, 58.7870

# Conversions

## Conversions Part 2

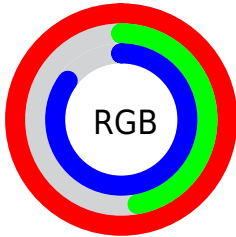
Format	Color
R <sub>Y</sub> B	255, 120, 217
Decimal	16742617
CIE Lab	69.26, 62.57, -25.72
CIE LCh	69, 67.652, 337.657
Yxy	39.7027, 0.3551, 0.2331
Android (android.graphics.Color)	4294932697 (0xFFFF78D9)
YUV	171.4230, 22.4695, 73.2970
Hunter-Lab	63.0101, 61.0675, -21.8743

# Details

The XYZ color **60.4809, 39.7027, 70.1213** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **49.6788, 77.9824, 44.7844**, and the grayscale version is **38.7957, 40.8161, 44.4487**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **31.0640, 17.8994, 36.0001** is the 20% darker color. If you saturate the color by 10%, you get **56.8987, 34.0002, 64.4208**, and if you desaturate by 10%, it is **64.9218, 47.0576, 76.3094**.

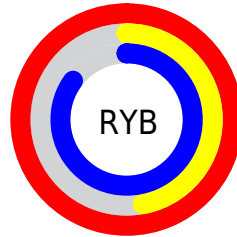
# Distribution



Red (100%)

Green (47%)

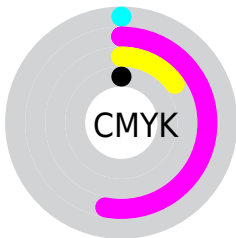
Blue (85%)



Red (100%)

Yellow (47%)

Blue (85%)

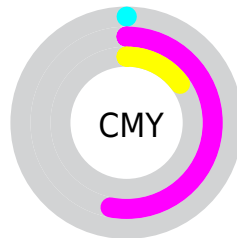


Cyan (0%)

Magenta (53%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (53%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.4809, 39.7027, 70.1213 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 60.4809, 39.7027, 70.1213 by changing the saturation by 10% instead.





 60.4809, 39.7027,  
70.1213


 60.4809, 39.7027,  
70.1213


416.1745,  
344.8689, 479.7764


 44.0573, 27.3068,  
51.1480


 104.6293, 74.7106,  
121.0645

 30.9137, 17.8038,  
35.9489


 133.0849, 98.0914,  
153.8714

 20.6846, 10.8092,  
24.1053


 166.2818,  
125.9026, 192.1267

 13.0048, 5.9387,  
15.1989

204.5855,  
158.5286, 236.2488

 7.5089, 2.8078,  
8.8109

248.3612,  
196.3539, 286.6563

 3.8315, 1.0322,  
4.5229

297.9744,

 1.6072, 0.0000,

239.7628, 343.7677

1.9164

353.7904,  
289.1396, 408.0015

■ 0.3971, 0.0000,  
0.5031

■ 0.0000, 0.0000,  
0.0000

■ 60.4809, 39.7027,  
70.1213

■ 60.4809, 39.7027,  
70.1213

■ 56.8987, 34.0002,  
64.4208

■ 64.9218, 47.0576,  
76.3094

■ 54.1057, 29.8120,  
59.1807

■ 70.2785, 56.1781,  
83.0051

■ 52.0256, 26.9861,  
54.3736

■ 76.6058, 67.1735,  
90.2296

■ 50.5647, 25.3361,  
49.9655

■ 83.9536, 80.1424,  
98.0020

■ 49.8101, 24.6881,  
47.0598

■ 92.3682, 95.1769,  
106.3400

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.



51.9541, 39.7027, 109.7910



60.4809, 39.7027, 70.1213



62.3891, 39.7027, 35.7548

# Triad

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



60.4809, 39.7027, 70.1213



35.0270, 39.7027, 6.9545



23.5246, 39.7027, 90.9073

# Complementary

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



60.4809, 39.7027, 70.1213



49.6788, 77.9824, 44.7844

# 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.



20.6205, 39.7027, 51.6795



60.4809, 39.7027, 70.1213



26.3822, 39.7027, 11.1023

# Square

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



60.4809, 39.7027, 70.1213



46.2265, 39.7027, 8.1893



21.5559, 39.7027, 24.2775



30.3549, 39.7027, 125.2694



# Rectangle

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



60.4809, 39.7027, 70.1213



59.3696, 39.7027, 21.0217



21.5559, 39.7027, 24.2775



22.1229, 39.7027, 77.2743

# Sweetspot

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



60.4818, 39.7044, 70.1221



81.5928, 75.9567, 95.5632



38.4786, 27.7230, 97.9308



17.1364, 15.6785, 20.1098



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.



60.4818, 39.7044, 70.1221



56.5660, 33.4861, 63.8431



53.5844, 36.9454, 33.8008



18.5618, 18.2080, 21.5755



26.0940, 12.9269, 24.9431



2.5874, 1.2773, 2.6748



# Inverse Universe

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



60.4818, 39.7044, 70.1221



56.5660, 33.4861, 63.8431



56.8937, 80.8684, 82.7777



18.5618, 18.2080, 21.5755



26.0940, 12.9269, 24.9431



2.5874, 1.2773, 2.6748



# Previews

## White Background



This preview shows how the XYZ color 60.4809, 39.7027, 70.1213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

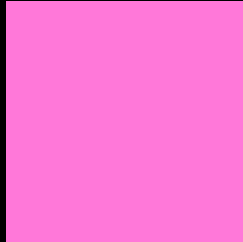
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.4809, 39.7027, 70.1213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

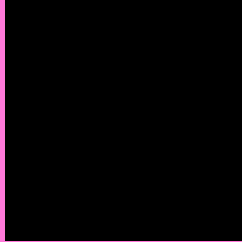
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 60.4809, 39.7027, 70.1213**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.4809, 39.7027, 70.1213.



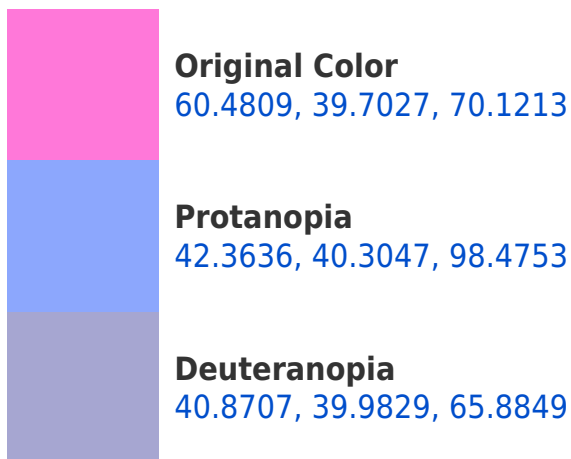
This preview shows how white text looks on a background with the XYZ color 60.4809, 39.7027,



# 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

52.7039, 39.6401, 32.0676

# Trichromacy



## Original Color

60.4809, 39.7027, 70.1213



## Protanomaly

45.9259, 38.0490, 87.3617



## Deuteranomaly

45.9198, 38.2541, 67.2509



## Tritanomaly

55.2127, 39.4531, 43.7349

# Monochromacy



## Original Color

60.4809, 39.7027, 70.1213



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

44.6625, 38.6439, 52.6820

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.4809, 39.7027, 70.1213 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, 120, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 217)  
}
```

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, 120, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 60.4809, 39.7027, 70.1213 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, 120, 217) }
```



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

```
.border{ border-color:rgb(255, 120, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.4809, 39.7027, 70.1213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 217) }
```

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

```
.background{ background-color: rgb(255,  
120, 217) }
```

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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