

# Converting Colors

XYZ(50.7074, 29.1821, 39.0365)

Have a look what the booklet for XYZ(50.7074, 29.1821, 39.0365) contains.

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# Color

**XYZ(50.7074, 29.1821,  
39.0365)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4CA6
RGB	255, 76, 166
RGB Percent	100%, 30%, 65%
CMY	0.0000, 0.7019, 0.3490
CMYK	0.00, 0.70, 0.35, 0.00
HSL	330°, 100%, 65%
HSV	330°, 70%, 100%
XYZ	50.7074, 29.1821, 39.0365
YIQ	139.7810, 77.7940, 65.9380

# Conversions

## Conversions Part 2

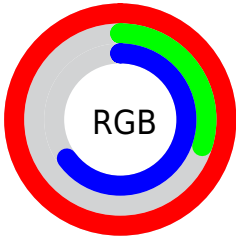
Format	Color
R <sub>Y</sub> B	255, 76, 166
Decimal	16731302
CIE Lab	60.94, 73.88, -9.42
CIE LCh	61, 74.474, 352.732
Yxy	29.1821, 0.4264, 0.2454
Android (android.graphics.Color)	4294921382 (0xFFFF4CA6)
YUV	139.7810, 12.9260, 101.0471
Hunter-Lab	54.0205, 73.0168, -5.0301

# Details

The XYZ color **50.7074, 29.1821, 39.0365** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **45.5339, 75.7740, 47.8285**, and the grayscale version is **24.7745, 26.0647, 28.3844**.

A 20% lighter version of the original color is **63.2368, 44.3718, 73.6383**, and **25.0296, 12.5524, 17.0232** is the 20% darker color. If you saturate the color by 10%, you get **48.1789, 25.8957, 32.7352**, and if you desaturate by 10%, it is **54.0478, 33.9087, 46.1747**.

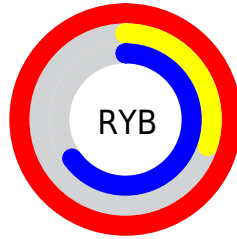
# Distribution



Red (100%)

Green (30%)

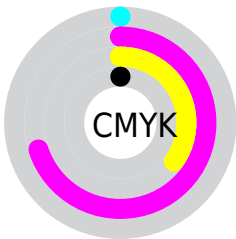
Blue (65%)



Red (100%)

Yellow (30%)

Blue (65%)

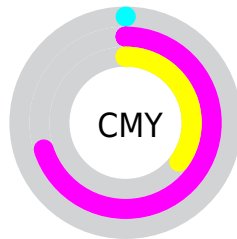


Cyan (0%)

Magenta (70%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (70%)


Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7074, 29.1821, 39.0365 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 50.7074, 29.1821, 39.0365 by changing the saturation by 10% instead.





 50.7074, 29.1821,  
39.0365


 50.7074, 29.1821,  
39.0365

379.8323,  
298.0732, 357.4762


 36.1959, 19.2186,  
26.4801


 90.4077, 58.3663,  
74.9150


 24.7563, 11.8284,  
16.9542


 116.3272, 78.3558,  
99.0742

 16.0234, 6.6269,  
10.0402


 146.7800,  
102.4561, 127.9381

 9.6316, 3.2299,  
5.3197

 182.1316,  
131.0515, 161.9251

 5.2158, 1.2529,  
2.3740

222.7473,  
164.5266, 201.4539

 2.4105, 0.1043,  
0.7722

268.9924,

 0.8503, 0.0000,

203.2656, 246.9430

0.0000

321.2323,  
247.6530, 298.8110

■ 0.0000, 0.0000,  
0.0000

■ 50.7074, 29.1821,  
39.0365

■ 50.7074, 29.1821,  
39.0365

■ 48.1789, 25.8957,  
32.7352

■ 54.0478, 33.9087,  
46.1747

■ 46.3689, 23.8682,  
27.2227

■ 58.2744, 40.2191,  
54.1896

■ 45.1498, 22.8239,  
22.5186

■ 63.4552, 48.2444,  
63.1189

■ 69.6505, 58.1005,  
72.9974

■ 76.9154, 69.8933,  
83.8573

 85.3012, 83.7204,  
95.7293

94.8553, 99.6731,  
108.6423

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.



45.4225, 29.1821, 76.4434



50.7074, 29.1821, 39.0365



48.7865, 29.1821, 15.2570

# Triad

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



50.7074, 29.1821, 39.0365



21.1247, 29.1821, 3.5629



17.8907, 29.1821, 96.2210

# Complementary

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



50.7074, 29.1821, 39.0365



45.5339, 75.7740, 47.8285

# 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.



13.8257, 29.1821, 57.2637



50.7074, 29.1821, 39.0365



15.3657, 29.1821, 9.1372

# Square

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



50.7074, 29.1821, 39.0365



30.1684, 29.1821, 2.7646



13.0236, 29.1821, 25.4738



25.4394, 29.1821, 119.9070



# Rectangle

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



50.7074, 29.1821, 39.0365



43.8502, 29.1821, 7.5381



13.0236, 29.1821, 25.4738



16.1510, 29.1821, 83.6770

# Sweetspot

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



50.7082, 29.1837, 39.0370



76.2871, 68.8656, 82.9422



35.6419, 20.1267, 96.6140



15.8810, 14.0101, 17.0946



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.



50.7082, 29.1837, 39.0370



47.4104, 24.9858, 30.5455



45.2363, 26.9949, 10.2224



18.3903, 18.1395, 20.6727



23.6672, 11.9562, 12.1638



2.3595, 1.1862, 1.4747



# Inverse Universe

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



50.7082, 29.1837, 39.0370



47.4104, 24.9858, 30.5455



56.3148, 80.0863, 104.5996



18.3903, 18.1395, 20.6727



23.6672, 11.9562, 12.1638



2.3595, 1.1862, 1.4747



# Previews

## White Background



This preview shows how the XYZ color 50.7074, 29.1821, 39.0365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

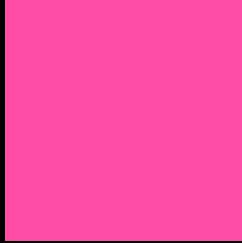
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.7074, 29.1821, 39.0365 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

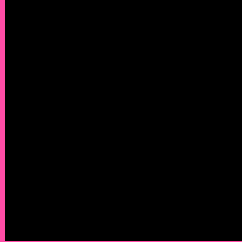
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 50.7074, 29.1821, 39.0365**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.7074, 29.1821, 39.0365.



This preview shows how white text looks on a background with the XYZ color 50.7074, 29.1821,

39.0365.

# 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

50.7074, 29.1821, 39.0365

### Protanopia

30.7398, 29.4905, 67.0229

### Deuteranopia

29.8129, 29.2473, 35.9723



## Tritanopia

45.5908, 29.0535, 15.0094

# Trichromacy



## Original Color

50.7074, 29.1821, 39.0365



## Protanomaly

33.9139, 26.3027, 55.5140



## Deuteranomaly

34.9343, 27.0692, 36.6413



## Tritanomaly

47.1282, 28.9419, 21.8413

# Monochromacy



## Original Color

50.7074, 29.1821, 39.0365



## Achromatopsia

24.9269, 26.2251, 28.5591



## Achromatomaly

31.0775, 24.8376, 31.5899

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.7074, 29.1821, 39.0365 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, 76, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 76, 166)  
}
```

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, 76, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 76, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 50.7074, 29.1821, 39.0365 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, 76, 166) }
```



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

```
.border{ border-color:rgb(255, 76, 166) }
```

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

Here you see how a box with a 4 pixel rgb(255, 76, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 76, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 76, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 76,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.7074, 29.1821, 39.0365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 76, 166) }
```

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

```
.background{ background-color: rgb(255, 76,  
166) }
```

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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