

# Converting Colors

XYZ(39.8616, 19.1549, 64.8686)

Have a look what the booklet for  
XYZ(39.8616, 19.1549, 64.8686)  
contains.

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# Color

**XYZ(39.7418, 19.1002,  
64.5429)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D600D5
RGB	214, 0, 213
RGB Percent	84%, 0%, 84%
CMY	0.1608, 0.9999, 0.1647
CMYK	0.00, 1.00, 0.00, 0.16
HSL	300°, 100%, 42%
HSV	300°, 100%, 84%
XYZ	39.7418, 19.1002, 64.5429
YIQ	88.2680, 59.1710, 111.6110

# Conversions

## Conversions Part 2

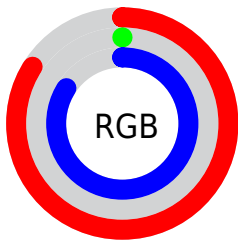
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 0, 213
Decimal	14024917
CIE <sub>Lab</sub>	50.80, 85.94, -52.83
CIE <sub>LCh</sub>	51, 100.876, 328.420
Yxy	19.1002, 0.3221, 0.1548
Android (android.graphics.Color)	4292214997 (0xFFD600D5)
YUV	88.2680, 61.4929, 110.2670
Hunter-Lab	43.7038, 85.8364, -56.9684

# Details

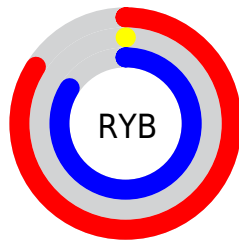
The XYZ color **39.7418, 19.1002, 64.5429** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **24.0529, 48.0963, 8.0454**, and the grayscale version is **9.1989, 9.6779, 10.5393**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **19.4122, 9.3043, 32.6711** is the 20% darker color. If you saturate the color by 10%, you get **39.7423, 19.1005, 64.5431**, and if you desaturate by 10%, it is **40.0311, 19.6578, 64.7022**.

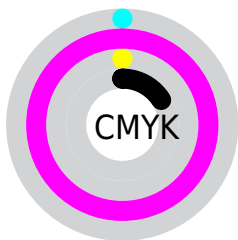
# Distribution



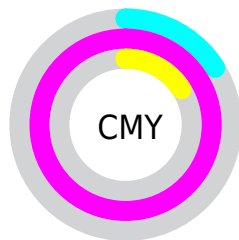
- Red (84%)
- Green (0%)
- Blue (84%)



- Red (84%)
- Yellow (0%)
- Blue (84%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)



- Cyan (16%)
- Magenta (100%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7418, 19.1002, 64.5429 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 39.7418, 19.1002, 64.5429 by changing the saturation by 10% instead.




 39.7418, 19.1002,  
64.5429


 39.7418, 19.1002,  
64.5429

336.1872,  
247.0014, 459.4087


 27.5206, 11.7427,  
46.6415


 74.0570, 41.9033,  
112.9994

 18.1032, 6.5687,  
32.4001


 96.8817, 58.1178,  
144.3916


 11.1242, 3.1939,  
21.3999


 123.9717, 78.0533,  
181.1179

 6.2184, 1.2338,  
13.2225

 155.6922,  
102.0944, 223.5967

 3.0202, 0.0890,  
7.4494

 192.4087,  
130.6253, 272.2467

 1.1645, 0.0000,  
3.6621

 234.4864,

 0.0780, 0.0000,

164.0305, 327.4863

1.4418

282.2908,  
202.6944, 389.7341

■ 0.0000, 0.0000,  
0.1740

■ 0.0000, 0.0000,  
0.0000

■ 39.7418, 19.1002,  
64.5429

■ 39.7418, 19.1002,  
64.5429

■ 39.7423, 19.1005,  
64.5431

■ 40.0311, 19.6578,  
64.7022

■ 40.6254, 20.8260,  
64.9630

■ 41.6268, 22.8084,  
65.3596

■ 43.0914, 25.7173,  
65.9107

■ 45.0666, 29.6474,  
66.6320

■ 47.5940, 34.6816,  
67.5373

■ 50.7106, 40.8944,  
68.6391

■ 54.4505, 48.3538,  
69.9488

■ 58.8452, 57.1227,  
71.4767

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.8330, 19.1002, 115.3737



39.7418, 19.1002, 64.5429



44.6850, 19.1002, 22.3398

# Triad

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



39.7418, 19.1002, 64.5429



18.6852, 19.1002, 0.0000



6.0131, 19.1002, 59.1495

# Complementary

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



39.7418, 19.1002, 64.5429



24.0529, 48.0963, 8.0454

# 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.



4.9812, 19.1002, 19.3267



39.7418, 19.1002, 64.5429



10.5034, 19.1002, 0.0000

# Square

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



39.7418, 19.1002, 64.5429



30.0909, 19.1002, 0.1158



6.2685, 19.1002, 3.2994



9.8835, 19.1002, 110.7173



# Rectangle

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



39.7418, 19.1002, 64.5429



42.9393, 19.1002, 7.8682



6.2685, 19.1002, 3.2994



5.4023, 19.1002, 43.2822

# Sweetspot

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



39.7426, 19.1011, 64.5433



75.2525, 60.4971, 102.0168



12.1384, 4.8559, 63.9168



15.6637, 12.0647, 21.6794



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.



39.7426, 19.1011, 64.5433



59.0985, 28.4034, 95.9715



30.3869, 15.3588, 15.2770



12.9504, 12.6317, 15.6793



24.0224, 11.5453, 39.0177



1.4498, 0.6967, 2.3577



# Inverse Universe

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



39.7426, 19.1011, 64.5433



59.0985, 28.4034, 95.9715



26.7019, 49.1559, 21.9947



12.9504, 12.6317, 15.6793



24.0224, 11.5453, 39.0177



1.4498, 0.6967, 2.3577



# Previews

## White Background



This preview shows how the XYZ color 39.7418, 19.1002, 64.5429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

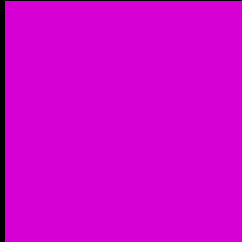
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.7418, 19.1002, 64.5429 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

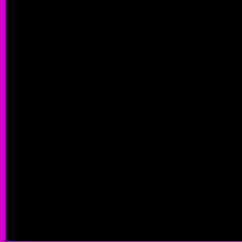
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.7418, 19.1002, 64.5429**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.7418, 19.1002, 64.5429.



This preview shows how white text looks on a background with the XYZ color 39.7418, 19.1002,



# 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

39.7418, 19.1002, 64.5429

### Protanopia

23.7338, 19.8590, 93.0247

### Deuteranopia

20.3323, 19.7919, 57.3922



## Tritanopia

29.0609, 19.4794, 11.6794

# Trichromacy



## Original Color

39.7418, 19.1002, 64.5429



## Protanomaly

20.9440, 12.7663, 81.4810



## Deuteranomaly

22.2013, 14.2165, 59.3315



## Tritanomaly

31.0298, 17.3892, 24.2753

# Monochromacy



## Original Color

39.7418, 19.1002, 64.5429



## Achromatopsia

9.2757, 9.7587, 10.6273



## Achromatomaly

15.4793, 9.5901, 23.2255

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.7418, 19.1002, 64.5429 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(214, 0, 213)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 213)  
}
```

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(214, 0, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7418, 19.1002, 64.5429 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(214, 0, 213) }
```



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

```
.border{ border-color:rgb(214, 0, 213) }
```

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

Here you see how a box with a 4 pixel rgb(214, 0, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 213);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7418, 19.1002, 64.5429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 213) }
```

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

```
.background{ background-color: rgb(214, 0,  
213) }
```

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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