

# Converting Colors

XYZ(51.4232, 28.9602, 57.7876)

Have a look what the booklet for  
XYZ(51.4232, 28.9602, 57.7876)  
contains.

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# Color

**XYZ(51.2319, 28.8418,  
57.5104)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F74AC8
RGB	247, 74, 200
RGB Percent	97%, 29%, 78%
CMY	0.0314, 0.7098, 0.2157
CMYK	0.00, 0.70, 0.19, 0.03
HSL	316°, 92%, 63%
HSV	316°, 70%, 97%
XYZ	51.2319, 28.8418, 57.5104
YIQ	140.0910, 62.6620, 75.8620

# Conversions

## Conversions Part 2

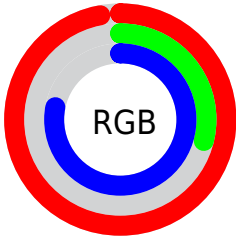
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 74, 200
Decimal	16206536
CIE Lab	60.64, 76.56, -29.53
CIE LCh	61, 82.059, 338.910
Yxy	28.8418, 0.3724, 0.2096
Android (android.graphics.Color)	4294396616 (0xFFFF74AC8)
YUV	140.0910, 29.5351, 93.7592
Hunter-Lab	53.7046, 76.2985, -25.8985

# Details

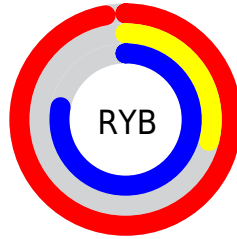
The XYZ color **51.2319, 28.8418, 57.5104** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **39.5375, 69.3590, 29.3960**, and the grayscale version is **24.8360, 26.1294, 28.4550**.

A 20% lighter version of the original color is **67.9540, 45.8079, 99.8680**, and **25.6818, 12.6401, 28.2803** is the 20% darker color. If you saturate the color by 10%, you get **49.1274, 25.8601, 53.0239**, and if you desaturate by 10%, it is **54.0196, 33.1339, 62.3949**.

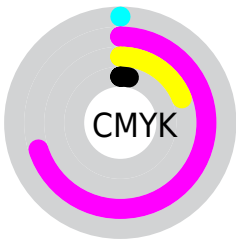
# Distribution



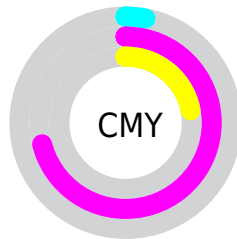
- Red (97%)
- Green (29%)
- Blue (78%)



- Red (97%)
- Yellow (29%)
- Blue (78%)



- Cyan (0%)
- Magenta (70%)
- Yellow (19%)
- Black (3%)




- Cyan (3%)
- Magenta (71%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2319, 28.8418, 57.5104 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 51.2319, 28.8418, 57.5104 by changing the saturation by 10% instead.





 51.2319, 28.8418,  
57.5104


 51.2319, 28.8418,  
57.5104


381.8369,  
296.4678, 432.9063

 36.6150, 18.9612,  
41.0031


 91.1784, 57.8256,  
102.7173


 25.0818, 11.6422,  
28.0018


 117.2387, 77.6977,  
132.2539

 16.2671, 6.5006,  
18.0879

 147.8442,  
101.6689, 166.9707

 9.8054, 3.1518,  
10.8430

 183.3603,  
130.1238, 207.2862

 5.3314, 1.2115,  
5.8486

224.1522,  
163.4468, 253.6190

 2.4797, 0.0710,  
2.6859

270.5854,

 0.8850, 0.0000,

202.0221, 306.3876

0.9363

323.0252,  
246.2344, 366.0105

■ 0.0000, 0.0000,  
0.0000

■ 51.2319, 28.8418,  
57.5104

■ 51.2319, 28.8418,  
57.5104

■ 49.1274, 25.8601,  
53.0239

■ 54.0196, 33.1339,  
62.3949

■ 47.6220, 24.0228,  
48.9046


■ 57.5558, 38.8676,  
67.7007


■ 46.5854, 23.0652,  
45.1195

■ 61.9010, 46.1628,  
73.4503


■ 67.1087, 55.1259,  
79.6633

■ 73.2276, 65.8536,  
86.3583

 80.3027, 78.4354,  
93.5520

 88.3761, 92.9546,  
101.2605

 91.9573, 98.4300,  
107.6555

 92.1681, 98.5143,  
108.7651

# Harmonies

## Analogous

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



42.3504, 28.8418, 102.4704



51.2319, 28.8418, 57.5104



52.9529, 28.8418, 23.1858

# Triad

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



51.2319, 28.8418, 57.5104



24.3694, 28.8418, 1.8131



14.3919, 28.8418, 84.3479

# Complementary

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



51.2319, 28.8418, 57.5104



39.5375, 69.3590, 29.3960

# 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.



11.7790, 28.8418, 41.3650



51.2319, 28.8418, 57.5104



16.4800, 28.8418, 4.3341

# Square

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



51.2319, 28.8418, 57.5104



35.4406, 28.8418, 2.3366



12.4294, 28.8418, 14.7056



20.7000, 28.8418, 123.7262



# Rectangle

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



51.2319, 28.8418, 57.5104



49.4661, 28.8418, 10.7616



12.4294, 28.8418, 14.7056



13.1373, 28.8418, 69.0284

# Sweetspot

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



51.2328, 28.8433, 57.5109



78.0270, 69.5615, 92.1040



27.0032, 15.6174, 89.5876



16.2960, 14.1761, 19.2797



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.



51.2328, 28.8433, 57.5109



52.0816, 26.8543, 55.1439



43.8661, 25.8965, 18.7179



17.0103, 16.6870, 19.8006



24.6999, 12.2234, 24.1919



2.2138, 1.0915, 2.3522



# Inverse Universe

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



51.2328, 28.8433, 57.5109



52.0816, 26.8543, 55.1439



47.3038, 72.4655, 70.2926



17.0103, 16.6870, 19.8006



24.6999, 12.2234, 24.1919



2.2138, 1.0915, 2.3522



# Previews

## White Background



This preview shows how the XYZ color 51.2319, 28.8418, 57.5104 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

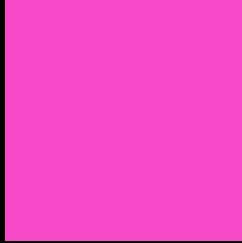
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.2319, 28.8418, 57.5104 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

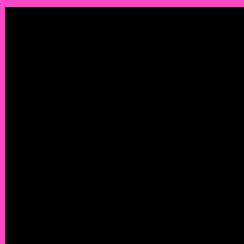
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 51.2319, 28.8418, 57.5104

## Background



This preview shows how black text looks on a background with the XYZ color 51.2319, 28.8418, 57.5104.



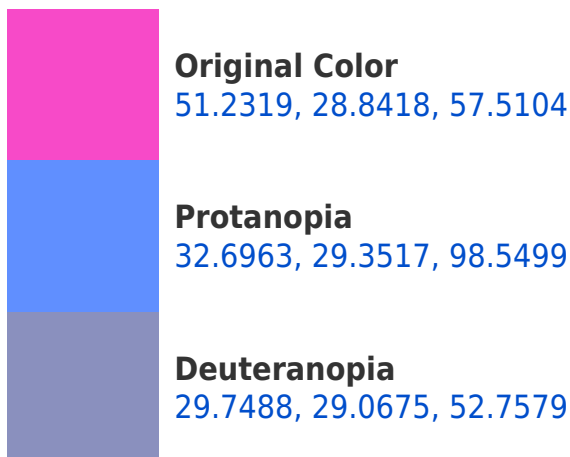
This preview shows how white text looks on a background with the XYZ color 51.2319, 28.8418,



# 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

42.9571, 28.7408, 17.4708

# Trichromacy



## Original Color

51.2319, 28.8418, 57.5104



## Protanomaly

34.2363, 25.5343, 81.7214



## Deuteranomaly

34.6945, 26.5537, 54.3357



## Tritanomaly

45.1668, 28.2825, 28.2778

# Monochromacy



## Original Color

51.2319, 28.8418, 57.5104



## Achromatopsia

24.9269, 26.2251, 28.5591



## Achromatomaly

31.3574, 24.6831, 37.2940

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2319, 28.8418, 57.5104 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(247, 74, 200)` looks like.

```
.text, #text, p{  
    color:rgb(247, 74, 200)  
}
```

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(247, 74, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 74, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2319, 28.8418, 57.5104 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(247, 74, 200) }
```



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

```
.border{ border-color:rgb(247, 74, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 74, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 74, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 74, 200);  
box-shadow:4px 4px 4px 4px rgb(247, 74,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2319, 28.8418, 57.5104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 74, 200) }
```

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

```
.background{ background-color: rgb(247, 74,  
200) }
```

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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