

Converting Colors

XYZ(49.3459, 27.5613, 35.1845)

Have a look what the booklet for
XYZ(49.3459, 27.5613, 35.1845)
contains.

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Color

**XYZ(49.3019, 27.5092,
35.0591)**

Conversions

Conversions Part 1

Format	Color
Hex	FF419E
RGB	255, 65, 158
RGB Percent	100%, 25%, 62%
CMY	0.0000, 0.7450, 0.3804
CMYK	0.00, 0.75, 0.38, 0.00
HSL	331°, 100%, 63%
HSV	331°, 75%, 100%
XYZ	49.3019, 27.5092, 35.0591
YIQ	132.4120, 83.3870, 69.2030

Conversions

Conversions Part 2

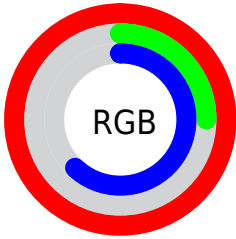
Format	Color
R _{YB}	255, 65, 158
Decimal	16728478
CIE Lab	59.44, 76.56, -7.01
CIE LCh	59, 76.876, 354.770
Yxy	27.5092, 0.4407, 0.2459
Android (android.graphics.Color)	4294918558 (0xFFFF419E)
YUV	132.4120, 12.6149, 107.5097
Hunter-Lab	52.4492, 76.0026, -2.9173

Details

The XYZ color **49.3019, 27.5092, 35.0591** 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 **44.4635, 75.2533, 46.3699**, and the grayscale version is **22.0176, 23.1642, 25.2258**.

A 20% lighter version of the original color is **60.9694, 41.5024, 67.7481**, and **24.6462, 12.3990, 15.0042** is the 20% darker color. If you saturate the color by 10%, you get **47.0919, 24.7887, 29.0832**, and if you desaturate by 10%, it is **52.2921, 31.6001, 41.8813**.

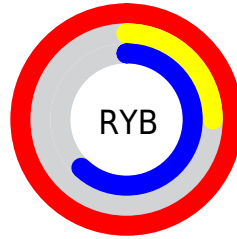
Distribution



Red (100%)

Green (25%)

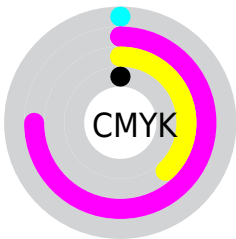
Blue (62%)



Red (100%)

Yellow (25%)

Blue (62%)

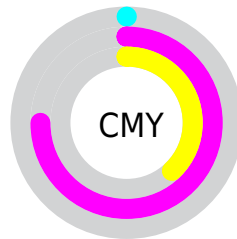


Cyan (0%)

Magenta (75%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (75%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3019, 27.5092, 35.0591 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 49.3019, 27.5092, 35.0591 by changing the saturation by 10% instead.


 49.3019, 27.5092,
35.0591


 49.3019, 27.5092,
35.0591

374.4269,
290.1142, 339.7413

 35.0745, 17.9560,
23.4245


 88.3377, 55.6999,
68.7299


 23.8871, 10.9184,
14.6990


 113.8769, 75.1062,
91.6032


 15.3742, 6.0120,
8.4642


 143.9173, 98.5657,
119.0598

 9.1704, 2.8524,
4.3014

 178.8245,
126.4627, 151.5183

 4.9105, 1.0552,
1.7921

 218.9637,
159.1816, 189.3971

 2.2291, 0.0000,
0.4227

264.7002,

 0.7580, 0.0000,

197.1070, 233.1148

0.0000

316.3995,
240.6230, 283.0901

■ 0.0000, 0.0000,
0.0000

■ 49.3019, 27.5092,
35.0591

■ 49.3019, 27.5092,
35.0591

■ 47.0919, 24.7887,
29.0832

■ 52.2921, 31.6001,
41.8813

■ 45.5595, 23.2393,
23.9006

■ 56.1427, 37.2160,
49.5932

■ 44.9294, 22.7358,
21.3581

■ 60.9254, 44.4952,
58.2356

■ 66.7035, 53.5591,
67.8456

■ 73.5347, 64.5177,
78.4578

■ 81.4719, 77.4722,
90.1048

■ 90.5642, 92.5165,
102.8172

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.



44.4075, 27.5092, 72.2203



49.3019, 27.5092, 35.0591



46.8573, 27.5092, 12.7568

Triad

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



49.3019, 27.5092, 35.0591



19.1213, 27.5092, 2.9798



16.8420, 27.5092, 97.6472

Complementary

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



49.3019, 27.5092, 35.0591



44.4635, 75.2533, 46.3699

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.



12.6647, 27.5092, 58.1688



49.3019, 27.5092, 35.0591



13.7361, 27.5092, 8.5749

Square

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



49.3019, 27.5092, 35.0591



27.8736, 27.5092, 2.0862



11.6864, 27.5092, 25.3681



24.4926, 27.5092, 120.0735

Rectangle

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



49.3019, 27.5092, 35.0591



41.6447, 27.5092, 5.9587



11.6864, 27.5092, 25.3681



15.0677, 27.5092, 85.0830

Sweetspot

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



49.3026, 27.5107, 35.0596



75.4170, 67.5715, 81.2768



34.4395, 18.4763, 96.3589



15.7068, 13.7567, 16.7440



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.



49.3026, 27.5107, 35.0596



46.3261, 23.9607, 26.6588



44.0855, 25.4238, 7.5867



18.3799, 18.1353, 20.6178



23.5515, 11.9099, 11.5547



2.3481, 1.1816, 1.4146

Inverse Universe

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



49.3026, 27.5107, 35.0596



46.3261, 23.9607, 26.6588



55.9908, 79.8642, 107.0721



18.3799, 18.1353, 20.6178



23.5515, 11.9099, 11.5547



2.3481, 1.1816, 1.4146

Previews

White Background



This preview shows how the XYZ color 49.3019, 27.5092, 35.0591 looks on a white background.

Color Contrast Check

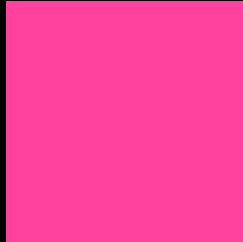
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.3019, 27.5092, 35.0591 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 49.3019, 27.5092, 35.0591

Background



This preview shows how black text looks on a background with the XYZ color 49.3019, 27.5092, 35.0591.



This preview shows how white text looks on a background with the XYZ color 49.3019, 27.5092,

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

49.3019, 27.5092, 35.0591

Protanopia

28.9361, 27.7414, 63.5040

Deuteranopia

28.0955, 27.5719, 31.8581



Tritanopia

44.3978, 27.3859, 12.3972

Trichromacy



Original Color

49.3019, 27.5092, 35.0591



Protanomaly

31.7770, 24.0740, 51.6871



Deuteranomaly

32.9475, 24.9317, 32.7815



Tritanomaly

45.8360, 27.2181, 18.7574

Monochromacy



Original Color

49.3019, 27.5092, 35.0591



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

28.3017, 21.9953, 27.9532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3019, 27.5092, 35.0591 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, 65, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 65, 158)  
}
```

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, 65, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 65, 158) }
```

Border

The CSS property to change the border of an element to XYZ 49.3019, 27.5092, 35.0591 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, 65, 158) }
```


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

```
.border{ border-color:rgb(255, 65, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 65, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 65, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 65, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 65,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3019, 27.5092, 35.0591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 65, 158) }
```

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

```
.background{ background-color: rgb(255, 65,  
158) }
```

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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