

Converting Colors

XYZ(49.1761, 27.4359, 34.4695)

Have a look what the booklet for
XYZ(49.1761, 27.4359, 34.4695)
contains.

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Color

**XYZ(49.2161, 27.4749,
34.6075)**

Conversions

Conversions Part 1

Format	Color
Hex	FF419D
RGB	255, 65, 157
RGB Percent	100%, 25%, 62%
CMY	0.0000, 0.7450, 0.3843
CMYK	0.00, 0.75, 0.38, 0.00
HSL	331°, 100%, 63%
HSV	331°, 75%, 100%
XYZ	49.2161, 27.4749, 34.6075
YIQ	132.2980, 83.7080, 68.8920

Conversions

Conversions Part 2

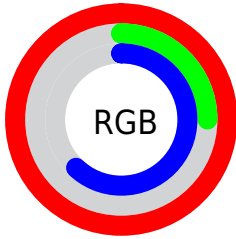
Format	Color
R _Y B	255, 65, 157
Decimal	16728477
CIE Lab	59.41, 76.46, -6.47
CIE LCh	59, 76.731, 355.163
Yxy	27.4749, 0.4422, 0.2469
Android (android.graphics.Color)	4294918557 (0xFFFF419D)
YUV	132.2980, 12.1781, 107.6097
Hunter-Lab	52.4165, 75.8724, -2.4541

Details

The XYZ color **49.2161, 27.4749, 34.6075** 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 **44.5528, 75.2890, 46.8403**, and the grayscale version is **21.9779, 23.1225, 25.1804**.

A 20% lighter version of the original color is **60.7170, 41.4015, 66.4192**, and **24.5938, 12.3781, 14.7286** is the 20% darker color. If you saturate the color by 10%, you get **47.0048, 24.7539, 28.6248**, and if you desaturate by 10%, it is **52.2099, 31.5673, 41.4479**.

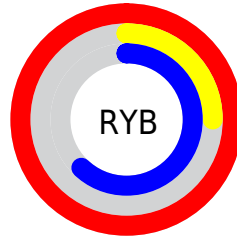
Distribution



Red (100%)

Green (25%)

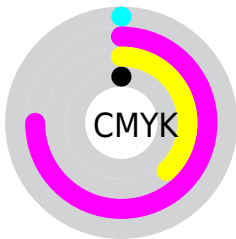
Blue (62%)



Red (100%)

Yellow (25%)

Blue (62%)

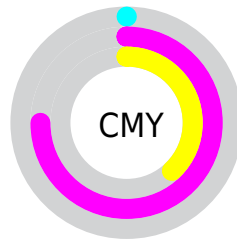


Cyan (0%)

Magenta (75%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (75%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2161, 27.4749, 34.6075 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 49.2161, 27.4749, 34.6075 by changing the saturation by 10% instead.


 49.2161, 27.4749,
34.6075


 49.2161, 27.4749,
34.6075

374.0953,
289.9492, 337.6839


 35.0062, 17.9302,
23.0796


 88.2111, 55.6450,
68.0219


 23.8342, 10.8999,
14.4464


 113.7269, 75.0392,
90.7455


 15.3347, 5.9996,
8.2895


 143.7421, 98.4853,
118.0380

 9.1425, 2.8448,
4.1903

 178.6219,
126.3678, 150.3181

 4.8921, 1.0513,
1.7303

 218.7318,
159.0711, 188.0041

 2.2182, 0.0000,
0.3814

264.4371,

 0.7523, 0.0000,

196.9795, 231.5147

0.0000

316.1031,
240.4774, 281.2685

■ 0.0000, 0.0000,
0.0000

■ 49.2161, 27.4749,
34.6075

■ 49.2161, 27.4749,
34.6075

■ 47.0048, 24.7539,
28.6248

■ 52.2099, 31.5673,
41.4479

■ 45.4732, 23.2048,
23.4463

■ 56.0662, 37.1855,
49.1902

■ 44.8444, 22.7017,
20.9103

■ 60.8570, 44.4679,
57.8757

■ 66.6459, 53.5361,
67.5420

■ 73.4905, 64.5001,
78.2244

81.4436, 77.4611,
89.9559

90.5549, 92.5129,
102.7677

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.



44.4241, 27.4749, 71.5168



49.2161, 27.4749, 34.6075



46.6836, 27.4749, 12.5738

Triad

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



49.2161, 27.4749, 34.6075



19.0136, 27.4749, 3.0244



16.9103, 27.4749, 97.8442

Complementary

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



49.2161, 27.4749, 34.6075



44.5528, 75.2890, 46.8403

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.



12.6972, 27.4749, 58.5590



49.2161, 27.4749, 34.6075



13.6860, 27.4749, 8.7136

Square

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



49.2161, 27.4749, 34.6075



27.7047, 27.4749, 2.0914



11.6811, 27.4749, 25.6680



24.5855, 27.4749, 119.8086

Rectangle

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



49.2161, 27.4749, 34.6075



41.4445, 27.4749, 5.8827



11.6811, 27.4749, 25.6680



15.1244, 27.4749, 85.3828

Sweetspot

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



49.2169, 27.4764, 34.6080



75.3765, 67.5553, 81.0631



34.4395, 18.4763, 96.3588



15.6973, 13.7528, 16.6937



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.



49.2169, 27.4764, 34.6080



46.2391, 23.9260, 26.2009



44.0855, 25.4239, 7.5867



18.3758, 18.1336, 20.5961



23.5069, 11.8920, 11.3195



2.3437, 1.1799, 1.3913

Inverse Universe

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



49.2169, 27.4764, 34.6080



46.2391, 23.9260, 26.2009



55.9908, 79.8642, 107.0720



18.3758, 18.1336, 20.5961



23.5069, 11.8920, 11.3195



2.3437, 1.1799, 1.3913

Previews

White Background



This preview shows how the XYZ color 49.2161, 27.4749, 34.6075 looks on a white background.

Color Contrast Check

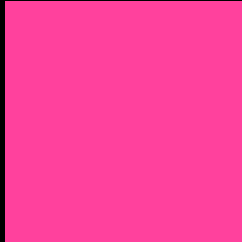
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.2161, 27.4749, 34.6075 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 49.2161, 27.4749, 34.6075

Background



This preview shows how black text looks on a background with the XYZ color 49.2161, 27.4749, 34.6075.



This preview shows how white text looks on a background with the XYZ color 49.2161, 27.4749,

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

49.2161, 27.4749, 34.6075

Protanopia

28.8134, 27.6923, 62.8580

Deuteranopia

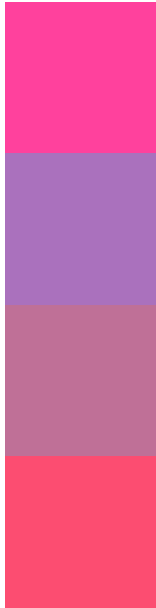
28.0166, 27.5404, 31.4430



Tritanopia

44.3561, 27.3692, 12.1775

Trichromacy



Original Color

49.2161, 27.4749, 34.6075

Protanomaly

31.6680, 24.0304, 51.1134

Deuteranomaly

32.8659, 24.8991, 32.3519

Tritanomaly

45.7794, 27.1955, 18.4592

Monochromacy



Original Color

49.2161, 27.4749, 34.6075

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 49.2161, 27.4749, 34.6075 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 65, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 65, 157) }
```

Border

The CSS property to change the border of an element to XYZ 49.2161, 27.4749, 34.6075 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, 157) }
```


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

```
.border{ border-color:rgb(255, 65, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 65, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 65, 157); box-shadow:4px 4px 4px 4px rgb(255, 65, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2161, 27.4749, 34.6075 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, 157) }
```

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

```
.background{ background-color: rgb(255, 65,  
157) }
```

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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