

Converting Colors

XYZ(49.0191, 28.1818, 31.1482)

Have a look what the booklet for
XYZ(49.0191, 28.1818, 31.1482)
contains.

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Color

**XYZ(49.0474, 28.1950,
31.2909)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4995
RGB	255, 73, 149
RGB Percent	100%, 29%, 58%
CMY	0.0000, 0.7137, 0.4157
CMYK	0.00, 0.71, 0.42, 0.00
HSL	335°, 100%, 64%
HSV	335°, 71%, 100%
XYZ	49.0474, 28.1950, 31.2909
YIQ	136.0820, 84.0760, 62.2200

Conversions

Conversions Part 2

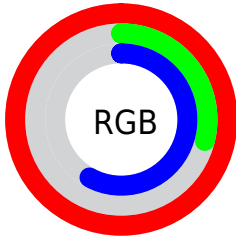
Format	Color
RYB	255, 73, 149
Decimal	16730517
CIELab	60.06, 73.18, -0.84
CIELCh	60, 73.188, 359.345
Yxy	28.1950, 0.4519, 0.2598
Android (android.graphics.Color)	4294920597 (0xFFFF4995)
YUV	136.0820, 6.3686, 104.2911
Hunter-Lab	53.0990, 71.9569, 2.2300

Details

The XYZ color **49.0474, 28.1950, 31.2909** 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 **46.6463, 76.1920, 54.9017**, and the grayscale version is **23.3891, 24.6071, 26.7971**.

A 20% lighter version of the original color is **60.5446, 42.6220, 61.5357**, and **24.2445, 12.2383, 12.8888** is the 20% darker color. If you saturate the color by 10%, you get **46.5905, 25.0595, 24.9898**, and if you desaturate by 10%, it is **52.3433, 32.7664, 38.6182**.

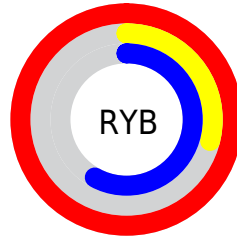
Distribution



Red (100%)

Green (29%)

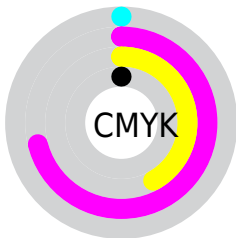
Blue (58%)



Red (100%)

Yellow (29%)

Blue (58%)

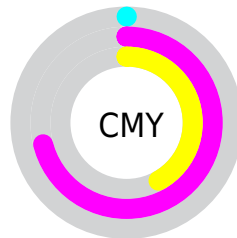


Cyan (0%)

Magenta (71%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (71%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0474, 28.1950, 31.2909 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 49.0474, 28.1950, 31.2909 by changing the saturation by 10% instead.


 49.0474, 28.1950,
31.2909

 49.0474, 28.1950,
31.2909


373.4428,
293.3975, 322.2689


 34.8718, 18.4727,
20.5601


 87.9621, 56.7956,
62.7827


 23.7302, 11.2899,
12.6148


 113.4320, 76.4427,
84.3808

 15.2572, 6.2622,
7.0362


 143.3973,
100.1669, 110.4385

 9.0876, 3.0051,
3.4060


 178.2233,
128.3525, 141.3743

 4.8559, 1.1344,
1.3055

218.2756,
161.3840, 177.6066

 2.1969, 0.0071,
0.0663

263.9193,

 0.7411, 0.0000,

199.6458, 219.5542

0.0000

315.5199,
243.5221, 267.6354

■ 0.0000, 0.0000,
0.0000

■ 49.0474, 28.1950,
31.2909

■ 49.0474, 28.1950,
31.2909

■ 46.5905, 25.0595,
24.9898

■ 52.3433, 32.7664,
38.6182

■ 44.8747, 23.1733,
19.6537


■ 56.5560, 38.9210,
47.0236


■ 43.8663, 22.3105,
15.7599

■ 61.7566, 46.7924,
56.5560

■ 68.0080, 56.4988,
67.2607

■ 75.3678, 68.1479,
79.1797

 83.8891, 81.8389,
92.3531

 93.6218, 97.6643,
106.8186

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.



45.3914, 28.1950, 65.0692



49.0474, 28.1950, 31.2909



45.6836, 28.1950, 11.7722

Triad

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



49.0474, 28.1950, 31.2909



18.9306, 28.1950, 4.1577



18.6501, 28.1950, 99.5375

Complementary

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



49.0474, 28.1950, 31.2909



46.6463, 76.1920, 54.9017

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.



14.0014, 28.1950, 63.4043



49.0474, 28.1950, 31.2909



14.1349, 28.1950, 11.2431

Square

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



49.0474, 28.1950, 31.2909



27.0042, 28.1950, 2.6504



12.5608, 28.1950, 30.1157



26.5939, 28.1950, 116.1075

Rectangle

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



49.0474, 28.1950, 31.2909



40.2735, 28.1950, 5.8859



12.5608, 28.1950, 30.1157



16.7243, 28.1950, 88.5300

Sweetspot

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



49.0482, 28.1966, 31.2914



75.6605, 68.6149, 79.6420



38.3691, 21.2329, 96.6838



15.7326, 13.9507, 16.3130



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.



49.0482, 28.1966, 31.2914



45.7101, 24.0430, 22.4021



45.7028, 28.2609, 9.3514



18.3240, 18.1129, 20.3231



22.9914, 11.6859, 8.6054



2.2916, 1.1590, 1.1169

Inverse Universe

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



49.0482, 28.1966, 31.2914



45.7101, 24.0430, 22.4021



52.8095, 72.6588, 105.8489



18.3240, 18.1129, 20.3231



22.9914, 11.6859, 8.6054



2.2916, 1.1590, 1.1169

Previews

White Background



This preview shows how the XYZ color 49.0474, 28.1950, 31.2909 looks on a white background.

Color Contrast Check

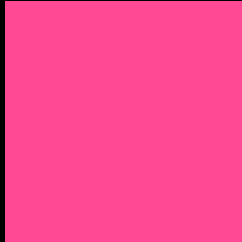
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.0474, 28.1950, 31.2909 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 49.0474, 28.1950, 31.2909

Background



This preview shows how black text looks on a background with the XYZ color 49.0474, 28.1950, 31.2909.

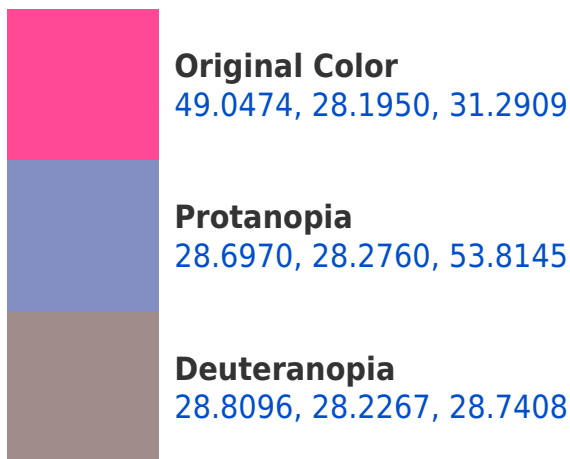


This preview shows how white text looks on a background with the XYZ color 49.0474, 28.1950,

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

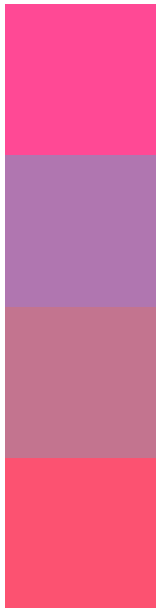




Tritanopia

45.1236, 28.0983, 13.1705

Trichromacy



Original Color

49.0474, 28.1950, 31.2909

Protanomaly

32.2194, 25.3216, 44.2637

Deuteranomaly

33.7090, 26.0761, 29.2431

Tritanomaly

46.1428, 27.9223, 18.5803

Monochromacy



Original Color

49.0474, 28.1950, 31.2909

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

29.3033, 23.3170, 28.1555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0474, 28.1950, 31.2909 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, 73, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 73, 149)  
}
```

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, 73, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 73, 149) }
```

Border

The CSS property to change the border of an element to XYZ 49.0474, 28.1950, 31.2909 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, 73, 149) }
```


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

```
.border{ border-color:rgb(255, 73, 149) }
```

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

Here you see how a box with a 4 pixel rgb(255, 73, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 73, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 73, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 73,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0474, 28.1950, 31.2909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 73, 149) }
```

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

```
.background{ background-color: rgb(255, 73,  
149) }
```

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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