

Converting Colors

XYZ(49.7347, 26.2791, 41.6643)

Have a look what the booklet for
XYZ(49.7347, 26.2791, 41.6643)
contains.

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Color

**XYZ(49.7029, 26.2716,
41.4810)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2FAC
RGB	255, 47, 172
RGB Percent	100%, 18%, 67%
CMY	0.0000, 0.8156, 0.3255
CMYK	0.00, 0.82, 0.33, 0.00
HSL	324°, 100%, 59%
HSV	324°, 82%, 100%
XYZ	49.7029, 26.2716, 41.4810
YIQ	123.4420, 83.8430, 82.9710

Conversions

Conversions Part 2

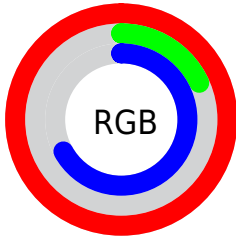
Format	Color
R _Y B	255, 47, 172
Decimal	16723884
CIE Lab	58.29, 82.59, -16.89
CIE LCh	58, 84.304, 348.441
Yxy	26.2716, 0.4232, 0.2237
Android (android.graphics.Color)	4294913964 (0xFFFF2FAC)
YUV	123.4420, 23.9391, 115.3764
Hunter-Lab	51.2558, 83.3942, -12.1039

Details

The XYZ color **49.7029, 26.2716, 41.4810** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **40.9635, 73.7369, 33.1989**, and the grayscale version is **18.8795, 19.8627, 21.6304**.

A 20% lighter version of the original color is **61.4664, 39.5286, 77.0632**, and **25.3825, 12.6935, 18.8816** is the 20% darker color. If you saturate the color by 10%, you get **48.0237, 24.4179, 36.2825**, and if you desaturate by 10%, it is **52.0528, 29.3467, 47.2728**.

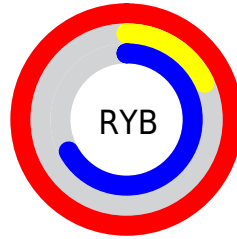
Distribution



Red (100%)

Green (18%)

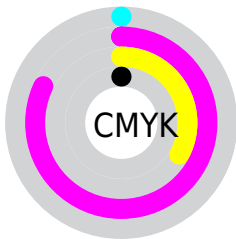
Blue (67%)



Red (100%)

Yellow (18%)

Blue (67%)

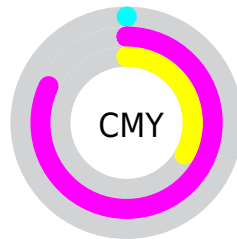


Cyan (0%)

Magenta (82%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7029, 26.2716, 41.4810 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 49.7029, 26.2716, 41.4810 by changing the saturation by 10% instead.


 49.7029, 26.2716,
41.4810

 49.7029, 26.2716,
41.4810

375.9742,
284.1128, 368.0629


 35.3942, 17.0269,
28.3726


 88.9290, 53.7128,
78.6751


 24.1346, 10.2537,
18.3652


 114.5771, 72.6781,
103.5979

 15.5588, 5.5675,
11.0404


 144.7357, 95.6524,
133.2959

 9.3014, 2.5839,
5.9795

 179.7702,
123.0201, 168.1877

 4.9969, 0.9186,
2.7640

 220.0460,
155.1656, 208.6917

 2.2802, 0.0000,
0.9754

265.9283,

 0.7845, 0.0000,

192.4733, 255.2266

0.0000

317.7826,
235.3276, 308.2108

■ 0.0000, 0.0000,
0.0000

■ 49.7029, 26.2716,
41.4810

■ 49.7029, 26.2716,
41.4810

■ 48.0237, 24.4179,
36.2825

■ 52.0528, 29.3467,
47.2728

■ 47.0094, 23.5677,
32.3111

■ 55.1629, 33.8201,
53.6950

■ 59.1108, 39.8441,
60.7814

■ 63.9631, 47.5497,
68.5618

■ 69.7796, 57.0539,
77.0633

76.6147, 68.4633,
86.3111

84.5185, 81.8760,
96.3289

93.5379, 97.3835,
107.1389

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.



42.8246, 26.2716, 84.8131



49.7029, 26.2716, 41.4810



48.7398, 26.2716, 14.2010

Triad

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



49.7029, 26.2716, 41.4810



19.2373, 26.2716, 1.5164



14.0394, 26.2716, 95.0958

Complementary

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



49.7029, 26.2716, 41.4810



40.9635, 73.7369, 33.1989

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.



10.5453, 26.2716, 50.4483



49.7029, 26.2716, 41.4810



12.9298, 26.2716, 5.1153

Square

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



49.7029, 26.2716, 41.4810



29.1342, 26.2716, 1.2820



10.2042, 26.2716, 18.7147



21.2234, 26.2716, 127.2863

Rectangle

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



49.7029, 26.2716, 41.4810



43.8208, 26.2716, 5.8998



10.2042, 26.2716, 18.7147



12.4900, 26.2716, 80.0454

Sweetspot

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



49.7037, 26.2730, 41.4814



74.8514, 65.5002, 83.9861



27.7816, 13.7469, 95.7969



15.4939, 13.1382, 17.2667



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.



49.7037, 26.2730, 41.4814



47.2346, 23.7464, 33.2243



43.4036, 23.7530, 8.3060



18.4678, 18.1704, 21.0803



24.6391, 12.3449, 17.2820



2.4530, 1.2236, 1.9669

Inverse Universe

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



49.7037, 26.2730, 41.4814



47.2346, 23.7464, 33.2243



51.3196, 77.8793, 87.7329



18.4678, 18.1704, 21.0803



24.6391, 12.3449, 17.2820



2.4530, 1.2236, 1.9669

Previews

White Background



This preview shows how the XYZ color 49.7029, 26.2716, 41.4810 looks on a white background.

Color Contrast Check

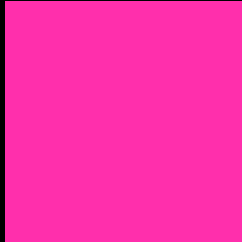
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.7029, 26.2716, 41.4810 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 49.7029, 26.2716, 41.4810

Background



This preview shows how black text looks on a background with the XYZ color 49.7029, 26.2716, 41.4810.



This preview shows how white text looks on a background with the XYZ color 49.7029, 26.2716,

41.4810.

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

49.7029, 26.2716, 41.4810

Protanopia

29.1966, 26.5988, 82.1925

Deuteranopia

26.8803, 26.3938, 37.3960



Tritanopia

43.4242, 26.3562, 10.9822

Trichromacy



Original Color

49.7029, 26.2716, 41.4810



Protanomaly

30.5443, 21.7220, 64.8703



Deuteranomaly

31.5090, 22.8076, 38.3389



Tritanomaly

44.8853, 25.7613, 18.8264

Monochromacy



Original Color

49.7029, 26.2716, 41.4810



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

25.6945, 18.7654, 27.4671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7029, 26.2716, 41.4810 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, 47, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 47, 172)  
}
```

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, 47, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 47, 172) }
```

Border

The CSS property to change the border of an element to XYZ 49.7029, 26.2716, 41.4810 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, 47, 172) }
```


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

```
.border{ border-color:rgb(255, 47, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 47, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 47, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 47, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 47,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7029, 26.2716, 41.4810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 47, 172) }
```

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

```
.background{ background-color: rgb(255, 47,  
172) }
```

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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