

Converting Colors

XYZ(64.5576, 37.7295, 26.8637)

Have a look what the booklet for
XYZ(64.5576, 37.7295, 26.8637)
contains.

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Color

**XYZ(48.9410, 29.6648,
26.0681)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5687
RGB	255, 86, 135
RGB Percent	100%, 34%, 53%
CMY	0.0000, 0.6627, 0.4706
CMYK	0.00, 0.66, 0.47, 0.00
HSL	343°, 100%, 67%
HSV	343°, 66%, 100%
XYZ	48.9410, 29.6648, 26.0681
YIQ	142.1170, 84.9950, 51.0670

Conversions

Conversions Part 2

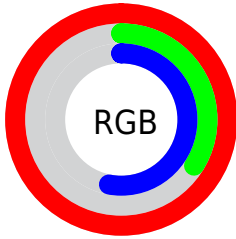
Format	Color
R_{YB}	255, 86, 135
Decimal	16733831
CIE _{Lab}	61.36, 67.29, 9.20
CIE _{LCh}	61, 67.918, 7.783
Yxy	29.6648, 0.4676, 0.2834
Android (android.graphics.Color)	4294923911 (0xFFFF5687)
YUV	142.1170, -3.5087, 98.9984
Hunter-Lab	54.4654, 65.0804, 9.7485

Details

The XYZ color **48.9410, 29.6648, 26.0681** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **50.7403, 77.9555, 70.7710**, and the grayscale version is **25.7488, 27.0897, 29.5007**.

A 20% lighter version of the original color is **60.2904, 44.8374, 53.0538**, and **23.7263, 12.1179, 9.8926** is the 20% darker color. If you saturate the color by 10%, you get **46.0873, 25.8272, 19.3528**, and if you desaturate by 10%, it is **52.7389, 35.0440, 34.1684**.

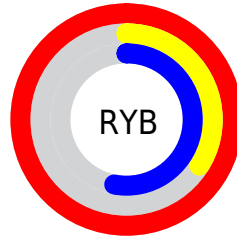
Distribution



Red (100%)

Green (34%)

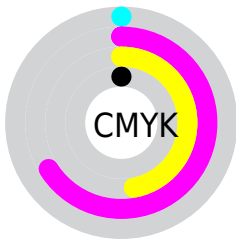
Blue (53%)



Red (100%)

Yellow (34%)

Blue (53%)

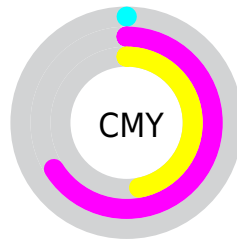


Cyan (0%)

Magenta (66%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9410, 29.6648, 26.0681 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 48.9410, 29.6648, 26.0681 by changing the saturation by 10% instead.


 48.9410, 29.6648,
26.0681


 48.9410, 29.6648,
26.0681

373.0308,
300.3389, 296.7323


 34.7870, 19.5843,
16.6484


 87.8051, 59.1317,
54.3702


 23.6646, 12.0932,
9.8248


 113.2459, 79.2868,
74.0897

 15.2084, 6.8072,
5.1789


 143.1797,
103.5690, 98.0795

 9.0530, 3.3418,
2.2920

 177.9718,
132.3626, 126.7582

 4.8332, 1.3127,
0.7267

217.9876,
166.0520, 160.5442

 2.1835, 0.1510,
0.0000

263.5925,

 0.7340, 0.0000,

205.0216, 199.8563

0.0000

315.1518,
249.6557, 245.1128

■ 0.0000, 0.0000,
0.0000

■ 48.9410, 29.6648,
26.0681

■ 48.9410, 29.6648,
26.0681

■ 46.0873, 25.8272,
19.3528

■ 52.7389, 35.0440,
34.1684

■ 44.0832, 23.3594,
13.9361

■ 57.5583, 42.1026,
43.7289


■ 42.8164, 22.0557,
9.7220

■ 63.4707, 50.9688,
54.8209

■ 42.4735, 21.7534,
8.4256

■ 70.5405, 61.7568,
67.5102

■ 78.8268, 74.5711,
81.8586

 88.3847, 89.5089,
97.9246

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.



47.3407, 29.6648, 54.7779



48.9410, 29.6648, 26.0681



44.1207, 29.6648, 10.5204

Triad

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



48.9410, 29.6648, 26.0681



18.9026, 29.6648, 6.8926



22.1702, 29.6648, 102.8910

Complementary

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



48.9410, 29.6648, 26.0681



50.7403, 77.9555, 70.7710

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.



16.6538, 29.6648, 72.9405



48.9410, 29.6648, 26.0681



15.0647, 29.6648, 17.0054

Square

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



48.9410, 29.6648, 26.0681



25.9261, 29.6648, 3.9297



14.3391, 29.6648, 39.4533



30.5936, 29.6648, 109.9945

Rectangle

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



48.9410, 29.6648, 26.0681



38.4135, 29.6648, 5.9569



14.3391, 29.6648, 39.4533



19.9721, 29.6648, 94.6080

Sweetspot

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



48.9418, 29.6664, 26.0686



75.5908, 69.5489, 76.3098



46.3635, 26.7574, 97.3287



15.6821, 14.1173, 15.4717



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.



48.9418, 29.6664, 26.0686



45.2459, 24.7565, 17.1857



49.6135, 35.3188, 13.0085



18.2259, 18.0737, 19.8069



22.2491, 11.3889, 4.6961



2.2113, 1.1269, 0.6941

Inverse Universe

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



48.9418, 29.6664, 26.0686



45.2459, 24.7565, 17.1857



47.7985, 61.0185, 103.8662



18.2259, 18.0737, 19.8069



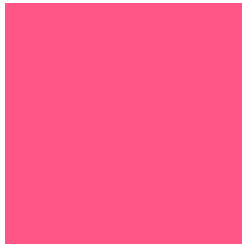
22.2491, 11.3889, 4.6961



2.2113, 1.1269, 0.6941

Previews

White Background



This preview shows how the XYZ color 48.9410, 29.6648, 26.0681 looks on a white background.

Color Contrast Check

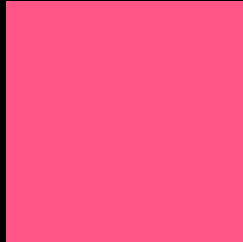
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.9410, 29.6648, 26.0681 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 48.9410, 29.6648, 26.0681

Background



This preview shows how black text looks on a background with the XYZ color 48.9410, 29.6648, 26.0681.



This preview shows how white text looks on a background with the XYZ color 48.9410, 29.6648,

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

48.9410, 29.6648, 26.0681

Protanopia

29.2722, 29.7518, 41.7360

Deuteranopia

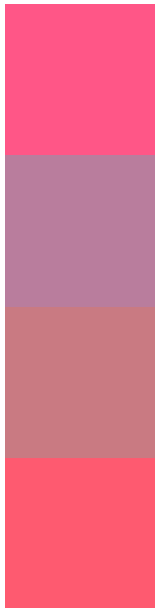
30.2308, 29.7233, 24.2225



Tritanopia

46.6745, 29.6122, 15.0601

Trichromacy



Original Color

48.9410, 29.6648, 26.0681

Protanomaly

33.4270, 27.4158, 35.4283

Deuteranomaly

35.0762, 27.9483, 24.6649

Tritanomaly

47.4538, 29.5530, 18.5324

Monochromacy



Original Color

48.9410, 29.6648, 26.0681

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

31.1482, 25.8504, 27.7740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9410, 29.6648, 26.0681 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, 86, 135)` looks like.

```
.text, #text, p{  
  color:rgb(255, 86, 135)  
}
```

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, 86, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 135) }
```

Border

The CSS property to change the border of an element to XYZ 48.9410, 29.6648, 26.0681 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, 86, 135) }
```


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

```
.border{ border-color:rgb(255, 86, 135) }
```

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

Here you see how a box with a 4 pixel rgb(255, 86, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9410, 29.6648, 26.0681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 135) }
```

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

```
.background{ background-color: rgb(255, 86,  
135) }
```

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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