

Converting Colors

XYZ(49.0880, 29.8135, 26.5656)

Have a look what the booklet for
XYZ(49.0880, 29.8135, 26.5656)
contains.

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Color

**XYZ(49.0921, 29.8540,
26.4675)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5788
RGB	255, 87, 136
RGB Percent	100%, 34%, 53%
CMY	0.0000, 0.6588, 0.4667
CMYK	0.00, 0.66, 0.47, 0.00
HSL	343°, 100%, 67%
HSV	343°, 66%, 100%
XYZ	49.0921, 29.8540, 26.4675
YIQ	142.8180, 84.3990, 50.8550

Conversions

Conversions Part 2

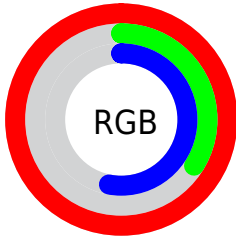
Format	Color
RYB	255, 87, 136
Decimal	16734088
CIELab	61.53, 67.00, 8.85
CIELCh	62, 67.579, 7.525
Yxy	29.8540, 0.4657, 0.2832
Android (android.graphics.Color)	4294924168 (0xFFFF5788)
YUV	142.8180, -3.3613, 98.3836
Hunter-Lab	54.6388, 64.7615, 9.5266

Details

The XYZ color **49.0921, 29.8540, 26.4675** 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 **50.8331, 78.0032, 70.7757**, and the grayscale version is **26.0269, 27.3823, 29.8193**.

A 20% lighter version of the original color is **60.5507, 45.1849, 53.6743**, and **23.8103, 12.2210, 10.1208** is the 20% darker color. If you saturate the color by 10%, you get **46.2023, 25.9587, 19.6953**, and if you desaturate by 10%, it is **52.9286, 35.2965, 34.6231**.

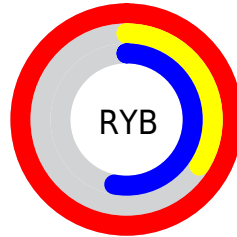
Distribution



Red (100%)

Green (34%)

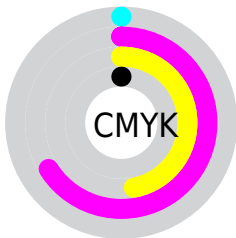
Blue (53%)



Red (100%)

Yellow (34%)

Blue (53%)

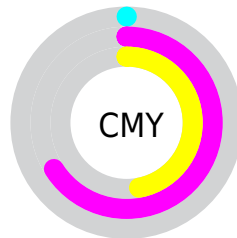


Cyan (0%)

Magenta (66%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0921, 29.8540, 26.4675 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 49.0921, 29.8540, 26.4675 by changing the saturation by 10% instead.

 49.0921, 29.8540,
26.4675


 49.0921, 29.8540,
26.4675

373.6157,
301.2233, 298.7477

 34.9074, 19.7278,
16.9448


 88.0281, 59.4312,
55.0215


 23.7577, 12.1973,
10.0336


 113.5101, 79.6510,
74.8899

 15.2778, 6.8782,
5.3154


 143.4886,
104.0041, 99.0439

 9.1021, 3.3861,
2.3715

 178.3290,
132.8750, 127.9021

 4.8655, 1.3364,
0.7709

218.3965,
166.6479, 161.8831

 2.2025, 0.1692,
0.0000

264.0566,

 0.7441, 0.0000,

205.7073, 201.4053

0.0000

315.6745,
250.4377, 246.8873

■ 0.0000, 0.0000,
0.0000

■ 49.0921, 29.8540,
26.4675

■ 49.0921, 29.8540,
26.4675

■ 46.2023, 25.9587,
19.6953

■ 52.9286, 35.2965,
34.6231

■ 44.1652, 23.4400,
14.2211

■ 57.7885, 42.4234,
44.2368

■ 42.8697, 22.0945,
9.9500

■ 63.7431, 51.3621,
55.3791

■ 42.4882, 21.7593,
8.5037

■ 70.8563, 62.2263,
68.1153

■ 79.1870, 75.1204,
82.5067

88.7902, 90.1412,
98.6114

95.0498, 99.9999,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.4403, 29.8540, 55.2303



49.0921, 29.8540, 26.4675



44.3349, 29.8540, 10.7742

Triad

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



49.0921, 29.8540, 26.4675



19.1283, 29.8540, 6.9876



22.2901, 29.8540, 102.6601

Complementary

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



49.0921, 29.8540, 26.4675



50.8331, 78.0032, 70.7757

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.



16.7951, 29.8540, 72.7329



49.0921, 29.8540, 26.4675



15.2555, 29.8540, 17.0667

Square

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



49.0921, 29.8540, 26.4675



26.1801, 29.8540, 4.0337



14.5017, 29.8540, 39.3993



30.6900, 29.8540, 109.9740

Rectangle

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



49.0921, 29.8540, 26.4675



38.6585, 29.8540, 6.1311



14.5017, 29.8540, 39.3993



20.0995, 29.8540, 94.3597

Sweetspot

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



49.0929, 29.8556, 26.4680



75.6023, 69.5535, 76.3706



46.5264, 26.9609, 97.3591



15.6849, 14.1184, 15.4861



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.



49.0929, 29.8556, 26.4680



45.4796, 25.0331, 17.8512



49.7505, 35.5280, 13.2546



18.2272, 18.0742, 19.8138



22.2571, 11.3921, 4.7382



2.2122, 1.1273, 0.6989

Inverse Universe

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



49.0929, 29.8556, 26.4680



45.4796, 25.0331, 17.8512



47.9441, 61.1721, 103.8878



18.2272, 18.0742, 19.8138



22.2571, 11.3921, 4.7382



2.2122, 1.1273, 0.6989

Previews

White Background



This preview shows how the XYZ color 49.0921, 29.8540, 26.4675 looks on a white background.

Color Contrast Check

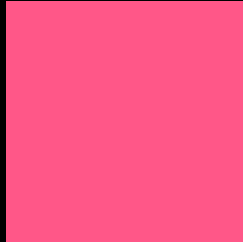
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.0921, 29.8540, 26.4675 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 49.0921, 29.8540, 26.4675

Background



This preview shows how black text looks on a background with the XYZ color 49.0921, 29.8540, 26.4675.



This preview shows how white text looks on a background with the XYZ color 49.0921, 29.8540,

26.4675.

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

49.0921, 29.8540, 26.4675

Protanopia

29.5227, 30.1018, 42.2844

Deuteranopia

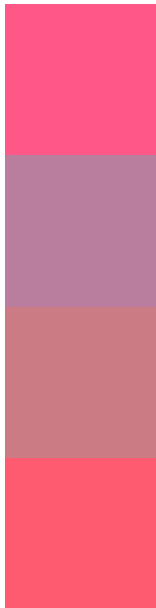
30.5133, 29.8614, 24.5777



Tritanopia

46.8110, 29.8082, 15.3429

Trichromacy



Original Color

49.0921, 29.8540, 26.4675

Protanomaly

33.6400, 27.7046, 35.9223

Deuteranomaly

35.5368, 28.3612, 25.0740

Tritanomaly

47.5948, 29.7453, 18.8557

Monochromacy



Original Color

49.0921, 29.8540, 26.4675

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

31.5837, 26.2497, 28.2130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0921, 29.8540, 26.4675 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, 87, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 136)  
}
```

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, 87, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 136) }
```

Border

The CSS property to change the border of an element to XYZ 49.0921, 29.8540, 26.4675 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, 87, 136) }
```


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

```
.border{ border-color:rgb(255, 87, 136) }
```

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

Here you see how a box with a 4 pixel rgb(255, 87, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0921, 29.8540, 26.4675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 136) }
```

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

```
.background{ background-color: rgb(255, 87,  
136) }
```

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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