

# Converting Colors

XYZ(49.2091, 30.0575, 26.6005)

Have a look what the booklet for  
XYZ(49.2091, 30.0575, 26.6005)  
contains.

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# Color

**XYZ(49.1737, 30.0170,  
26.4947)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5888
RGB	255, 88, 136
RGB Percent	100%, 35%, 53%
CMY	0.0000, 0.6549, 0.4667
CMYK	0.00, 0.65, 0.47, 0.00
HSL	343°, 100%, 67%
HSV	343°, 65%, 100%
XYZ	49.1737, 30.0170, 26.4947
YIQ	143.4050, 84.1240, 50.3320

# Conversions

## Conversions Part 2

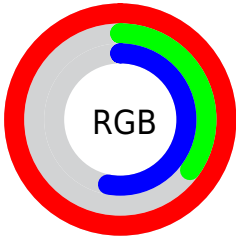
Format	Color
R <sub>Y</sub> B	255, 88, 136
Decimal	16734344
CIE Lab	61.67, 66.61, 9.05
CIE LCh	62, 67.224, 7.737
Yxy	30.0170, 0.4653, 0.2840
Android (android.graphics.Color)	4294924424 (0xFFFF5888)
YUV	143.4050, -3.6507, 97.8688
Hunter-Lab	54.7878, 64.3306, 9.6795

# Details

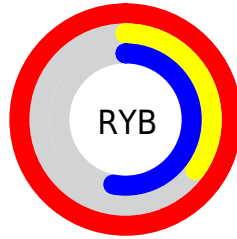
The XYZ color **49.1737, 30.0170, 26.4947** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **51.0490, 78.1006, 71.4217**, and the grayscale version is **26.2623, 27.6300, 30.0891**.

A 20% lighter version of the original color is **60.7042, 45.4919, 53.7255**, and **23.8565, 12.3134, 10.1362** is the 20% darker color. If you saturate the color by 10%, you get **46.2503, 26.0649, 19.6797**, and if you desaturate by 10%, it is **53.0492, 35.5232, 34.7078**.

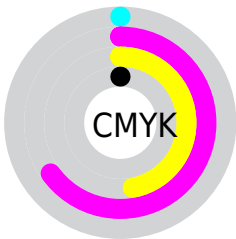
# Distribution



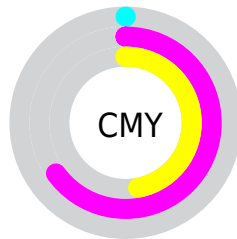
- Red (100%)
- Green (35%)
- Blue (53%)



- Red (100%)
- Yellow (35%)
- Blue (53%)



- Cyan (0%)
- Magenta (65%)
- Yellow (47%)
- Black (0%)




- Cyan (0%)
- Magenta (65%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1737, 30.0170, 26.4947 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 49.1737, 30.0170, 26.4947 by changing the saturation by 10% instead.




 49.1737, 30.0170,  
26.4947


 49.1737, 30.0170,  
26.4947


373.9314,  
301.9837, 298.8845

 34.9724, 19.8515,  
16.9650


 88.1486, 59.6891,  
55.0658


 23.8080, 12.2871,  
10.0479


 113.6528, 79.9644,  
74.9443

 15.3152, 6.9395,  
5.3247


 143.6554,  
104.3785, 99.1095

 9.1287, 3.4243,  
2.3769

 178.5218,  
133.3157, 127.9799

 4.8830, 1.3571,  
0.7739

218.6172,  
167.1604, 161.9740

 2.2128, 0.1848,  
0.0000

264.3070,

 0.7495, 0.0000,

206.2971, 201.5105

0.0000

315.9566,  
251.1100, 247.0078

■ 0.0000, 0.0000,  
0.0000

■ 49.1737, 30.0170,  
26.4947

■ 49.1737, 30.0170,  
26.4947

■ 46.2503, 26.0649,  
19.6797

■ 53.0492, 35.5232,  
34.7078

■ 44.1855, 23.4972,  
14.1764

■ 57.9535, 42.7199,  
44.3944

■ 42.8691, 22.1126,  
9.8891

■ 63.9576, 51.7341,  
55.6259

■ 42.4520, 21.7448,  
8.3124

■ 71.1255, 62.6792,  
68.4683

■ 79.5161, 75.6592,  
82.9837

89.1843, 90.7709,  
99.2306

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.



47.5745, 30.0170, 55.1027



49.1737, 30.0170, 26.4947



44.3945, 30.0170, 10.8660

# Triad

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



49.1737, 30.0170, 26.4947



19.2512, 30.0170, 7.1662



22.5017, 30.0170, 102.6751

# Complementary

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



49.1737, 30.0170, 26.4947



51.0490, 78.1006, 71.4217

# 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.



16.9827, 30.0170, 73.0124



49.1737, 30.0170, 26.4947



15.3975, 30.0170, 17.3573

# Square

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



49.1737, 30.0170, 26.4947



26.2785, 30.0170, 4.1487



14.6639, 30.0170, 39.7678



30.9071, 30.0170, 109.7405



# Rectangle

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



49.1737, 30.0170, 26.4947



38.7231, 30.0170, 6.2298



14.6639, 30.0170, 39.7678



20.3042, 30.0170, 94.4735

# Sweetspot

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



49.1745, 30.0187, 26.4952



75.5739, 69.5421, 76.2209



46.6906, 27.1664, 97.3904



15.6781, 14.1157, 15.4507



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.



49.1745, 30.0187, 26.4952



45.4321, 25.0141, 17.6011



49.8889, 35.7388, 13.5035



18.2240, 18.0729, 19.7968



22.2375, 11.3843, 4.6351



2.2100, 1.1264, 0.6871



# Inverse Universe

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



49.1745, 30.0187, 26.4952



45.4321, 25.0141, 17.6011



48.0911, 61.3265, 103.9102



18.2240, 18.0729, 19.7968



22.2375, 11.3843, 4.6351



2.2100, 1.1264, 0.6871



# Previews

## White Background



This preview shows how the XYZ color 49.1737, 30.0170, 26.4947 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 49.1737, 30.0170, 26.4947 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 49.1737, 30.0170, 26.4947**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.1737, 30.0170, 26.4947.



This preview shows how white text looks on a background with the XYZ color 49.1737, 30.0170,



# 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

49.1737, 30.0170, 26.4947

### Protanopia

29.6997, 30.1931, 42.2927

### Deuteranopia

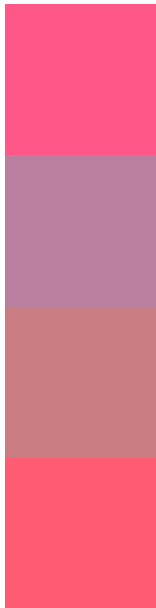
30.6641, 30.1630, 24.6279



## Tritanopia

46.9492, 30.0066, 15.6293

# Trichromacy



## Original Color

49.1737, 30.0170, 26.4947

## Protanomaly

33.8821, 27.8294, 35.9336

## Deuteranomaly

35.6615, 28.6106, 25.1156

## Tritanomaly

47.7375, 29.9400, 19.1825

# Monochromacy



## Original Color

49.1737, 30.0170, 26.4947

## 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 49.1737, 30.0170, 26.4947 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, 88, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 88, 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, 88, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 88, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 49.1737, 30.0170, 26.4947 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, 88, 136) }
```



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

```
.border{ border-color:rgb(255, 88, 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, 88, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 88, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 88, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 88,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.1737, 30.0170, 26.4947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 88, 136) }
```

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

```
.background{ background-color: rgb(255, 88,  
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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