

# Converting Colors

XYZ(48.9638, 29.9337, 25.3880)

Have a look what the booklet for  
XYZ(48.9638, 29.9337, 25.3880)  
contains.

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# Color

**XYZ(48.9634, 29.9329,  
25.3873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5885
RGB	255, 88, 133
RGB Percent	100%, 35%, 52%
CMY	0.0000, 0.6549, 0.4784
CMYK	0.00, 0.65, 0.48, 0.00
HSL	344°, 100%, 67%
HSV	344°, 65%, 100%
XYZ	48.9634, 29.9329, 25.3873
YIQ	143.0630, 85.0870, 49.3990

# Conversions

## Conversions Part 2

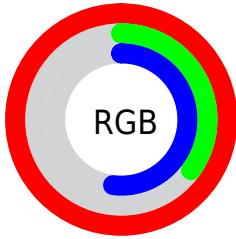
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 88, 133
Decimal	16734341
CIE Lab	61.60, 66.35, 10.69
CIE LCh	62, 67.207, 9.152
Yxy	29.9329, 0.4695, 0.2870
Android (android.graphics.Color)	4294924421 (0xFFFF5885)
YUV	143.0630, -4.9611, 98.1687
Hunter-Lab	54.7110, 64.0038, 10.7856

# Details

The XYZ color **48.9634, 29.9329, 25.3873** 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 **51.4194, 78.2487, 73.3723**, and the grayscale version is **26.1304, 27.4913, 29.9380**.

A 20% lighter version of the original color is **60.3818, 45.3629, 52.0278**, and **23.7365, 12.2654, 9.5039** is the 20% darker color. If you saturate the color by 10%, you get **46.0489, 25.9843, 18.6190**, and if you desaturate by 10%, it is **52.8394, 35.4393, 33.6028**.

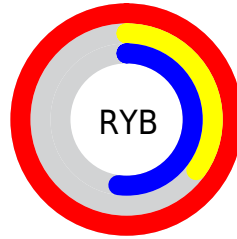
# Distribution



Red (100%)

Green (35%)

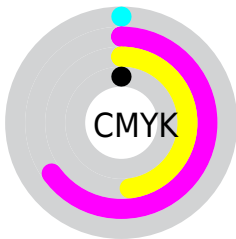
Blue (52%)



Red (100%)

Yellow (35%)

Blue (52%)

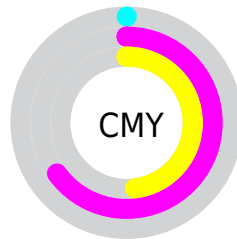


Cyan (0%)

Magenta (65%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (65%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9634, 29.9329, 25.3873 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 48.9634, 29.9329, 25.3873 by changing the saturation by 10% instead.





 48.9634, 29.9329,  
25.3873


 48.9634, 29.9329,  
25.3873


373.1176,  
301.5916, 293.2704

 34.8049, 19.7877,  
16.1442


 87.8381, 59.5560,  
53.2567


 23.6784, 12.2408,  
9.4708


 113.2851, 79.8027,  
72.7201

 15.2187, 6.9079,  
4.9485


 143.2255,  
104.1854, 96.4274

 9.0603, 3.4046,  
2.1589

 178.0248,  
133.0884, 124.7971

 4.8380, 1.3464,  
0.6505

218.0482,  
166.8961, 158.2477

 2.1863, 0.1767,  
0.0000

263.6613,

 0.7355, 0.0000,

205.9929, 197.1977

0.0000

315.2293,  
250.7633, 242.0658

■ 0.0000, 0.0000,  
0.0000

■ 48.9634, 29.9329,  
25.3873

■ 48.9634, 29.9329,  
25.3873

■ 46.0489, 25.9843,  
18.6190

■ 52.8394, 35.4393,  
33.6028

■ 44.0012, 23.4235,  
13.2060

■ 57.7544, 42.6403,  
43.3458


■ 42.7090, 22.0486,  
9.0466

■ 63.7802, 51.6632,  
54.6919

■ 42.3049, 21.6859,  
7.5380

■ 70.9817, 62.6217,  
67.7112

■ 79.4185, 75.6202,  
82.4694

 89.1459, 90.7556,  
99.0287

95.0499, 100.0000,  
108.9000

# Harmonies

## Analogous

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



47.6758, 29.9329, 53.3838



48.9634, 29.9329, 25.3873



43.9300, 29.9329, 10.3764

# Triad

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



48.9634, 29.9329, 25.3873



18.9377, 29.9329, 7.4138



22.7727, 29.9329, 103.4138

# Complementary

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



48.9634, 29.9329, 25.3873



51.4194, 78.2487, 73.3723

# 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.



17.1154, 29.9329, 74.4790



48.9634, 29.9329, 25.3873



15.2442, 29.9329, 18.0503

# Square

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



48.9634, 29.9329, 25.3873



25.8088, 29.9329, 4.1737



14.6552, 29.9329, 41.0447



31.2662, 29.9329, 109.1092



# Rectangle

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



48.9634, 29.9329, 25.3873



38.1816, 29.9329, 5.9953



14.6552, 29.9329, 41.0447



20.5312, 29.9329, 95.5611

# Sweetspot

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



48.9642, 29.9346, 25.3878



75.4538, 69.4941, 75.5886



47.4648, 27.5655, 97.4266



15.6497, 14.1043, 15.3011



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.



48.9642, 29.9346, 25.3878



45.2358, 24.9356, 16.5674



50.2334, 36.4280, 13.6184



18.2103, 18.0675, 19.7249



22.1580, 11.3525, 4.2166



2.2007, 1.1226, 0.6382



# Inverse Universe

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



48.9642, 29.9346, 25.3878



45.2358, 24.9356, 16.5674



47.3597, 59.8637, 103.6663



18.2103, 18.0675, 19.7249



22.1580, 11.3525, 4.2166



2.2007, 1.1226, 0.6382



# Previews

## White Background



This preview shows how the XYZ color 48.9634, 29.9329, 25.3873 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 48.9634, 29.9329, 25.3873 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

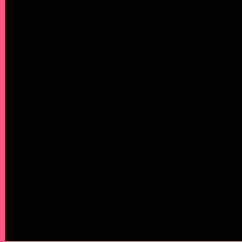
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 48.9634, 29.9329, 25.3873**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.9634, 29.9329, 25.3873.



This preview shows how white text looks on a background with the XYZ color 48.9634, 29.9329,



# 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

48.9634, 29.9329, 25.3873

### Protanopia

29.5055, 30.1360, 40.3381

### Deuteranopia

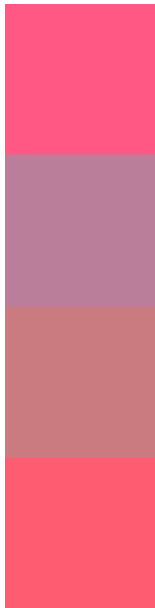
30.5374, 29.8962, 23.5631



## Tritanopia

46.9005, 29.9872, 15.3728

# Trichromacy



## Original Color

48.9634, 29.9329, 25.3873

## Protanomaly

33.5433, 27.6939, 34.1494

## Deuteranomaly

35.3364, 28.2810, 24.0184

## Tritanomaly

47.6248, 29.8950, 18.5894

# Monochromacy



## Original Color

48.9634, 29.9329, 25.3873

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

31.5103, 26.2203, 27.8264

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.9634, 29.9329, 25.3873 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 88, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 88, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 48.9634, 29.9329, 25.3873 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, 133) }
```



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

```
.border{ border-color:rgb(255, 88, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 88, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 88, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 88,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.9634, 29.9329, 25.3873 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, 133) }
```

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

```
.background{ background-color: rgb(255, 88,  
133) }
```

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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