

# Converting Colors

XYZ(48.0175, 28.6216, 23.2838)

Have a look what the booklet for  
XYZ(48.0175, 28.6216, 23.2838)  
contains.

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# Color

**XYZ(48.0787, 28.7034,  
23.4284)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5180
RGB	255, 81, 128
RGB Percent	100%, 32%, 50%
CMY	0.0000, 0.6823, 0.4980
CMYK	0.00, 0.68, 0.50, 0.00
HSL	344°, 100%, 66%
HSV	344°, 68%, 100%
XYZ	48.0787, 28.7034, 23.4284
YIQ	138.3840, 88.6170, 51.5050

# Conversions

## Conversions Part 2

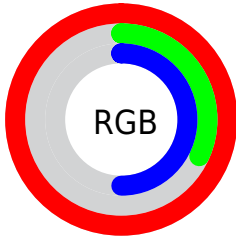
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 81, 128
Decimal	16732544
CIE Lab	60.52, 68.57, 12.08
CIE LCh	61, 69.623, 9.994
Yxy	28.7034, 0.4798, 0.2864
Android (android.graphics.Color)	4294922624 (0xFFFF5180)
YUV	138.3840, -5.1193, 102.2722
Hunter-Lab	53.5756, 66.4287, 11.5756

# Details

The XYZ color **48.0787, 28.7034, 23.4284** 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 **50.5406, 77.8241, 72.0390**, and the grayscale version is **24.3011, 25.5666, 27.8421**.

A 20% lighter version of the original color is **58.9586, 43.3524, 48.9764**, and **23.1495, 11.7710, 8.4490** is the 20% darker color. If you saturate the color by 10%, you get **45.4117, 25.1536, 17.0393**, and if you desaturate by 10%, it is **51.6829, 33.7682, 31.2391**.

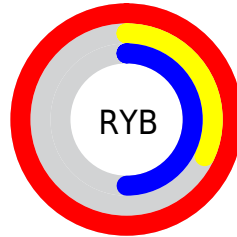
# Distribution



Red (100%)

Green (32%)

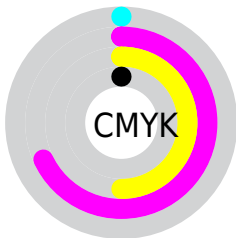
Blue (50%)



Red (100%)

Yellow (32%)

Blue (50%)

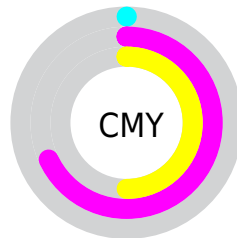


Cyan (0%)

Magenta (68%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (68%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0787, 28.7034, 23.4284 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 48.0787, 28.7034, 23.4284 by changing the saturation by 10% instead.





 48.0787, 28.7034,  
23.4284


 48.0787, 28.7034,  
23.4284


369.6814,  
295.8129, 283.1107


 34.1007, 18.8566,  
14.7019


 86.5306, 57.6055,  
50.0279


 23.1342, 11.5667,  
8.4661


 111.7351, 77.4296,  
68.7379

 14.8139, 6.4494,  
4.3026


 141.4127,  
101.3482, 91.6129

 8.7743, 3.1202,  
1.7928

 175.9284,  
129.7457, 119.0714

 4.6502, 1.1948,  
0.4232

215.6478,  
163.0065, 151.5318

 2.0762, 0.0575,  
0.0000

260.9362,

 0.6762, 0.0000,

201.5151, 189.4128

0.0000

312.1590,  
245.6558, 233.1329

■ 0.0000, 0.0000,  
0.0000

■ 48.0787, 28.7034,  
23.4284

■ 48.0787, 28.7034,  
23.4284

■ 45.4117, 25.1536,  
17.0393

■ 51.6829, 33.7682,  
31.2391

■ 43.5830, 22.9405,  
11.9775

■ 56.3049, 40.4904,  
40.5536

■ 42.4638, 21.8278,  
8.1336

■ 62.0185, 49.0012,  
51.4490

■ 42.3099, 21.6879,  
7.5650

■ 68.8901, 59.4173,  
63.9967

■ 76.9806, 71.8454,  
78.2633

86.3464, 86.3842,  
94.3116

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.



46.9492, 28.7034, 51.4209



48.0787, 28.7034, 23.4284



42.7736, 28.7034, 9.0188

# Triad

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



48.0787, 28.7034, 23.4284



17.6161, 28.7034, 6.6066



21.7876, 28.7034, 104.6139

# Complementary

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



48.0787, 28.7034, 23.4284



50.5406, 77.8241, 72.0390

# 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.



16.0709, 28.7034, 75.0600



48.0787, 28.7034, 23.4284



14.0546, 28.7034, 17.1977

# Square

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



48.0787, 28.7034, 23.4284



24.3918, 28.7034, 3.4623



13.5591, 28.7034, 40.6508



30.3913, 28.7034, 109.6948



# Rectangle

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



48.0787, 28.7034, 23.4284



36.8658, 28.7034, 5.0037



13.5591, 28.7034, 40.6508



19.5218, 28.7034, 96.6660

# Sweetspot

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



48.0794, 28.7050, 23.4289



75.4581, 69.4958, 75.6114



46.3644, 26.1859, 97.2180



15.6508, 14.1047, 15.3065



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.



48.0794, 28.7050, 23.4289



44.6299, 24.1729, 14.9809



49.2877, 34.9786, 11.9406



18.2108, 18.0676, 19.7275



22.1608, 11.3536, 4.2312



2.2010, 1.1228, 0.6400



# Inverse Universe

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



48.0794, 28.7050, 23.4289



44.6299, 24.1729, 14.9809



46.3350, 58.7514, 103.5054



18.2108, 18.0676, 19.7275



22.1608, 11.3536, 4.2312



2.2010, 1.1228, 0.6400



# Previews

## White Background



This preview shows how the XYZ color 48.0787, 28.7034, 23.4284 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

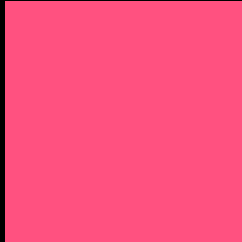
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.0787, 28.7034, 23.4284 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 48.0787, 28.7034, 23.4284**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.0787, 28.7034, 23.4284.



This preview shows how white text looks on a background with the XYZ color 48.0787, 28.7034,

23.4284.

# 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

48.0787, 28.7034, 23.4284

### Protanopia

28.2379, 28.8244, 38.7257

### Deuteranopia

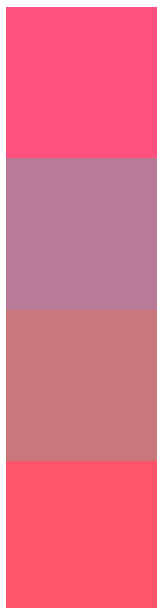
29.4926, 28.9519, 21.8031



## Tritanopia

45.9735, 28.6524, 13.4633

# Trichromacy



## Original Color

48.0787, 28.7034, 23.4284

## Protanomaly

32.2317, 26.3114, 32.2340

## Deuteranomaly

34.2594, 27.0412, 22.1527

## Tritanomaly

46.7231, 28.6084, 16.6951

# Monochromacy



## Original Color

48.0787, 28.7034, 23.4284

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

29.7204, 24.2676, 25.6719

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.0787, 28.7034, 23.4284 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, 81, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 81, 128)  
}
```

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, 81, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 81, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 48.0787, 28.7034, 23.4284 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, 81, 128) }
```



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

```
.border{ border-color:rgb(255, 81, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 81, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 81, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 81, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 81,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.0787, 28.7034, 23.4284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 81, 128) }
```

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

```
.background{ background-color: rgb(255, 81,  
128) }
```

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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