

# Converting Colors

XYZ(48.7685, 30.0478, 27.8754)

Have a look what the booklet for  
XYZ(48.7685, 30.0478, 27.8754)  
contains.

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# Color

**XYZ(48.8978, 30.0884,  
28.0414)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FD5A8C
RGB	253, 90, 140
RGB Percent	99%, 35%, 55%
CMY	0.0078, 0.6470, 0.4510
CMYK	0.00, 0.64, 0.45, 0.01
HSL	342°, 98%, 67%
HSV	342°, 64%, 99%
XYZ	48.8978, 30.0884, 28.0414
YIQ	144.4370, 81.0980, 50.1060

# Conversions

## Conversions Part 2

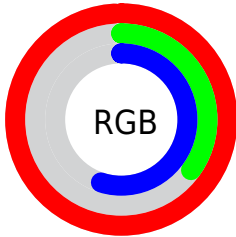
Format	Color
R <sub>Y</sub> B	253, 90, 140
Decimal	16603788
CIE Lab	61.73, 65.59, 6.77
CIE LCh	62, 65.943, 5.895
Yxy	30.0884, 0.4569, 0.2811
Android (android.graphics.Color)	4294793868 (0xFFFD5A8C)
YUV	144.4370, -2.1874, 95.2098
Hunter-Lab	54.8529, 63.1286, 8.0873

# Details

The XYZ color **48.8978, 30.0884, 28.0414** 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 **50.1232, 76.7368, 68.6754**, and the grayscale version is **26.6725, 28.0616, 30.5591**.

A 20% lighter version of the original color is **61.4555, 46.2901, 56.1479**, and **23.5642, 12.2803, 10.8012** is the 20% darker color. If you saturate the color by 10%, you get **45.9231, 26.0465, 21.1694**, and if you desaturate by 10%, it is **52.8061, 35.6677, 36.2423**.

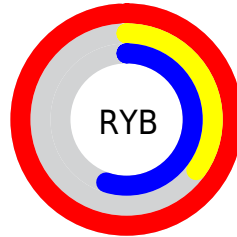
# Distribution



Red (99%)

Green (35%)

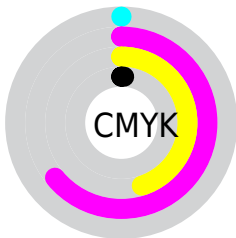
Blue (55%)



Red (99%)

Yellow (35%)

Blue (55%)

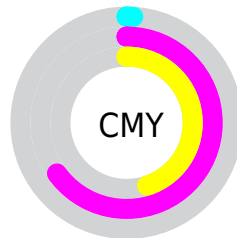


Cyan (0%)

Magenta (64%)

Yellow (45%)

Black (1%)



Cyan (1%)

Magenta (65%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8978, 30.0884, 28.0414 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 48.8978, 30.0884, 28.0414 by changing the saturation by 10% instead.





 48.8978, 30.0884,  
28.0414


 48.8978, 30.0884,  
28.0414


372.8635,  
302.3163, 306.5828


 34.7526, 19.9057,  
18.1176


 87.7413, 59.8019,  
57.5744


 23.6380, 12.3265,  
10.8641


 113.1703, 80.1016,  
78.0207

 15.1886, 6.9665,  
5.8625


 143.0913,  
104.5423, 102.8115

 9.0390, 3.4411,  
2.6942

 177.8696,  
133.5085, 132.3654

 4.8240, 1.3661,  
0.9405

217.8706,  
167.3847, 167.1010

 2.1780, 0.1916,  
0.0000

263.4597,

 0.7311, 0.0000,

206.5551, 207.4367

0.0000

315.0022,  
251.4041, 253.7911

■ 0.0000, 0.0000,  
0.0000

■ 48.8978, 30.0884,  
28.0414

■ 48.8978, 30.0884,  
28.0414

■ 45.9231, 26.0465,  
21.1694

■ 52.8061, 35.6677,  
36.2423

■ 43.7927, 23.3790,  
15.5476

■ 57.7212, 42.9158,  
45.8405

■ 42.4023, 21.8940,  
11.0896

■ 63.7112, 51.9556,  
56.9013

■ 41.8687, 21.4269,  
9.0615

■ 70.8375, 62.8969,  
69.4850

■ 79.1568, 75.8407,  
83.6485

88.7218, 90.8809,  
99.4455

94.3179, 99.6226,  
108.8657

# Harmonies

## Analogous

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



46.9465, 30.0884, 56.7473



48.8978, 30.0884, 28.0414



44.5743, 30.0884, 11.8008

# Triad

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



48.8978, 30.0884, 28.0414



19.7964, 30.0884, 7.1258



22.2411, 30.0884, 99.6985

# Complementary

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



48.8978, 30.0884, 28.0414



50.1232, 76.7368, 68.6754

# 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.



16.9840, 30.0884, 70.0805



48.8978, 30.0884, 28.0414



15.7880, 30.0884, 16.7134

# Square

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



48.8978, 30.0884, 28.0414



26.8988, 30.0884, 4.3600



14.8753, 30.0884, 37.9828



30.3676, 30.0884, 108.2512



# Rectangle

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



48.8978, 30.0884, 28.0414



39.1497, 30.0884, 6.8172



14.8753, 30.0884, 37.9828



20.1364, 30.0884, 91.3332

# Sweetspot

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



48.8986, 30.0900, 28.0419



76.5498, 70.9103, 78.3459



45.5779, 26.8769, 95.7139



15.8739, 14.3838, 15.8964



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.



48.8986, 30.0900, 28.0419



46.1082, 25.6809, 19.9395



49.0572, 35.0277, 13.8505



18.2387, 18.0788, 19.8743



22.3294, 11.4210, 5.1190



2.2205, 1.1306, 0.7423



# Inverse Universe

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



48.8986, 30.0900, 28.0419



46.1082, 25.6809, 19.9395



48.3663, 62.1046, 102.3665



18.2387, 18.0788, 19.8743



22.3294, 11.4210, 5.1190



2.2205, 1.1306, 0.7423



# Previews

## White Background



This preview shows how the XYZ color 48.8978, 30.0884, 28.0414 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 48.8978, 30.0884, 28.0414 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

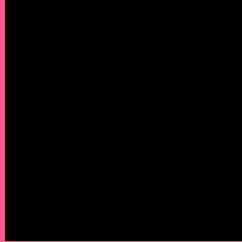
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.8978, 30.0884, 28.0414**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.8978, 30.0884, 28.0414.



This preview shows how white text looks on a background with the XYZ color 48.8978, 30.0884,



# 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

48.8978, 30.0884, 28.0414

### Protanopia

29.8098, 30.2167, 43.7964

### Deuteranopia

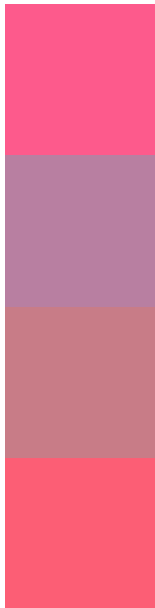
30.7157, 30.1585, 26.0321



## Tritanopia

46.5570, 30.0581, 16.4447

# Trichromacy



## Original Color

48.8978, 30.0884, 28.0414

## Protanomaly

33.7896, 27.9423, 37.3307

## Deuteranomaly

35.4002, 28.4439, 26.5461

## Tritanomaly

47.3585, 29.9852, 20.1213

# Monochromacy



## Original Color

48.8978, 30.0884, 28.0414

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

31.9327, 26.5888, 29.4357

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.8978, 30.0884, 28.0414 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(253, 90, 140)` looks like.

```
.text, #text, p{  
    color:rgb(253, 90, 140)  
}
```

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(253, 90, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 90, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 48.8978, 30.0884, 28.0414 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(253, 90, 140) }
```



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

```
.border{ border-color:rgb(253, 90, 140) }
```

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

Here you see how a box with a 4 pixel rgb(253, 90, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 90, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 90, 140);  
box-shadow:4px 4px 4px 4px rgb(253, 90,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.8978, 30.0884, 28.0414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 90, 140) }
```

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

```
.background{ background-color: rgb(253, 90,  
140) }
```

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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