

# Converting Colors

$Y_{xy}(30.0575, 0.4648, 0.2839)$

Have a look what the booklet for  
Yxy(30.0575, 0.4648, 0.2839)  
contains.

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# Color

**Yxy(30.0170, 0.4653, 0.2840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5888
RGB	255, 88, 136
RGB Percent	100%, 35%, 53%
CMY	0.0000, 0.6550, 0.4666
CMYK	0.00, 0.65, 0.47, 0.00
HSL	343°, 100%, 67%
HSV	343°, 65%, 100%
XYZ	49.1793, 30.0170, 26.4974
YIQ	143.4050, 84.1240, 50.3320

# Conversions

## Conversions Part 2

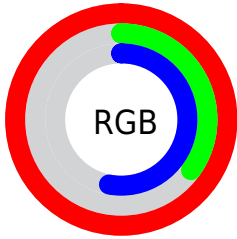
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 88, 136
Decimal	16734344
CIE Lab	61.67, 66.63, 9.05
CIE LCh	62, 67.238, 7.732
Yxy	30.0170, 0.4653, 0.2840
Android (android.graphics.Color)	4294924424 (0xFFFF5888)
YUV	143.4050, -3.6507, 97.8688
Hunter-Lab	54.7878, 64.3487, 9.6766

# Details

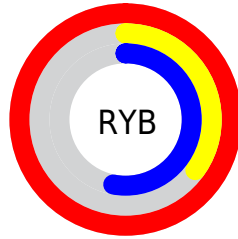
The Yxy color **30.0170, 0.4653, 0.2840** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **78.0980, 0.2545, 0.3894**, and the grayscale version is **27.6247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4919, 0.3796, 0.2845**, and **12.3134, 0.5152, 0.2659** is the 20% darker color. If you saturate the color by 10%, you get **26.0627, 0.5027, 0.2833**, and if you desaturate by 10%, it is **35.5182, 0.4303, 0.2881**.

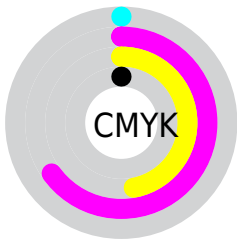
# Distribution



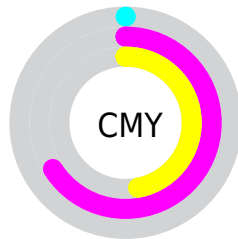
- Red (100%)
- Green (35%)
- Blue (53%)



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



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




- Cyan (0%)
- Magenta (66%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0170, 0.4653, 0.2840 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 Yxy color 30.0170, 0.4653, 0.2840 by changing the saturation by 10% instead.





 30.0170, 0.4653,  
0.2840

 30.0170, 0.4653,  
0.2840


301.9837, 0.3836,  
0.3098


 19.8515, 0.4872,  
0.2765


 59.6891, 0.4344,  
0.2942


 12.2871, 0.5160,  
0.2663


 79.9644, 0.4232,  
0.2977

 6.9395, 0.5553,  
0.2516


 104.3785, 0.4138,  
0.3007

 3.4243, 0.6115,  
0.2293

 133.3157, 0.4059,  
0.3031

 1.3571, 0.6962,  
0.1934

167.1604, 0.3991,  
0.3052

 0.1848, 0.9230,  
0.0770

206.2971, 0.3933,


 0.0000, 1.0000,

0.3069

0.0000


251.1100, 0.3881,  
0.3084

 0.0000, 0.0000,  
0.0000


 30.0170, 0.4653,  
0.2840


 30.0170, 0.4653,  
0.2840

 26.0627, 0.5027,  
0.2833

 35.5182, 0.4303,  
0.2881


 23.4961, 0.5398,  
0.2870


 42.7133, 0.3995,  
0.2945

 22.1124, 0.5725,  
0.2953

 51.7257, 0.3733,  
0.3020

 21.7453, 0.5854,  
0.2999

 62.6689, 0.3516,  
0.3099

 75.6469, 0.3339,  
0.3177

 90.7564, 0.3195,  
0.3251

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



30.0170, 0.3585, 0.2262



30.0170, 0.4653, 0.2840



30.0170, 0.5206, 0.3520

# Triad

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



30.0170, 0.4653, 0.2840



30.0170, 0.3411, 0.5319



30.0170, 0.1450, 0.1934

# Complementary

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



30.0170, 0.4653, 0.2840



78.0980, 0.2545, 0.3894

# 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.



30.0170, 0.1415, 0.2501



30.0170, 0.4653, 0.2840



30.0170, 0.2453, 0.4782

# Square

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



30.0170, 0.4653, 0.2840



30.0170, 0.4348, 0.4966



30.0170, 0.1736, 0.3555



30.0170, 0.1811, 0.1759



# Rectangle

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



30.0170, 0.4653, 0.2840



30.0170, 0.5166, 0.4004



30.0170, 0.1736, 0.3555



30.0170, 0.1402, 0.2073

# Sweetspot

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



30.0151, 0.4653, 0.2840



69.5425, 0.3414, 0.3142



27.1617, 0.2726, 0.1586



14.1158, 0.3465, 0.3120



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.0151, 0.4653, 0.2840



25.0148, 0.5160, 0.2841



35.7340, 0.5033, 0.3605



18.0730, 0.3249, 0.3222



11.3846, 0.5812, 0.2975



1.1264, 0.5492, 0.2799



# Inverse Universe

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



30.0151, 0.4653, 0.2840



25.0148, 0.5160, 0.2841



61.3230, 0.2254, 0.2875



18.0730, 0.3249, 0.3222



11.3846, 0.5812, 0.2975



1.1264, 0.5492, 0.2799



# Previews

## White Background



This preview shows how the Yxy color 30.0170, 0.4653, 0.2840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

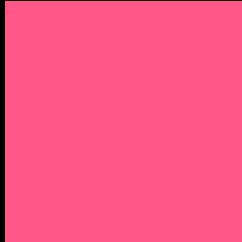
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 30.0170, 0.4653, 0.2840 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

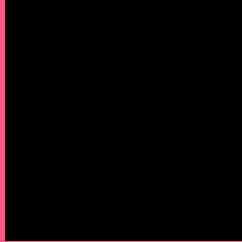
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.0170, 0.4653, 0.2840**

## Background



This preview shows how black text looks on a background with the Yxy color 30.0170, 0.4653, 0.2840.



This preview shows how white text looks on a background with the Yxy color 30.0170, 0.4653, 0.2840.

# 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

30.0170, 0.4653, 0.2840

### Protanopia

30.1931, 0.2906, 0.2955

### Deuteranopia

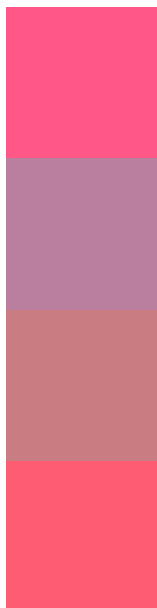
30.1630, 0.3588, 0.3530



## Tritanopia

30.0066, 0.5071, 0.3241

# Trichromacy



## Original Color

30.0170, 0.4653, 0.2840

## Protanomaly

27.8294, 0.3470, 0.2850

## Deuteranomaly

28.6106, 0.3990, 0.3201

## Tritanomaly

29.9400, 0.4928, 0.3091

# Monochromacy



## Original Color

30.0170, 0.4653, 0.2840

## Achromatopsia

27.4677, 0.3127, 0.3290

## Achromatomaly

26.2497, 0.3671, 0.3051

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.0170, 0.4653, 0.2840 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 Yxy 30.0170, 0.4653, 0.2840 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 Yxy 30.0170, 0.4653, 0.2840 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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