

# Converting Colors

$Y_{xy}(29.3889, 0.4675, 0.2814)$

Have a look what the booklet for  
Yxy(29.3889, 0.4675, 0.2814)  
contains.

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# Color

**Yxy(29.3782, 0.4670, 0.2808)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5488
RGB	255, 84, 136
RGB Percent	100%, 33%, 53%
CMY	0.0000, 0.6706, 0.4667
CMYK	0.00, 0.67, 0.47, 0.00
HSL	342°, 100%, 66%
HSV	342°, 67%, 100%
XYZ	48.8590, 29.3782, 26.3860
YIQ	141.0570, 85.2240, 52.4240

# Conversions

## Conversions Part 2

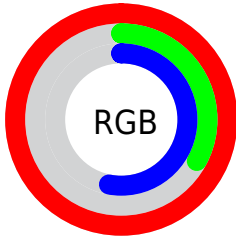
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 84, 136</a>
Decimal	<a href="#">16733320</a>
CIELab	<a href="#">61.11, 68.15, 8.26</a>
CIElCh	<a href="#">61, 68.645, 6.915</a>
Yxy	<a href="#">29.3782, 0.4670, 0.2808</a>
Android (android.graphics.Color)	<a href="#">4294923400 (0xFFFF5488)</a>
YUV	<a href="#">141.0570, -2.4931, 99.9280</a>
Hunter-Lab	<a href="#">54.2017, 66.0525, 9.0781</a>

# Details

The Yxy color **29.3782, 0.4670, 0.2808** 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 **77.7158, 0.2551, 0.3950**, and the grayscale version is **26.6409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5790, 0.3804, 0.2814**, and **12.0256, 0.5174, 0.2624** is the 20% darker color. If you saturate the color by 10%, you get **25.6496, 0.5037, 0.2805**, and if you desaturate by 10%, it is **34.6263, 0.4324, 0.2848**.

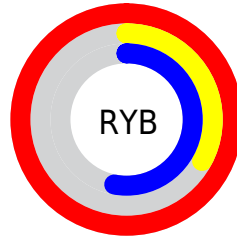
# Distribution



Red (100%)

Green (33%)

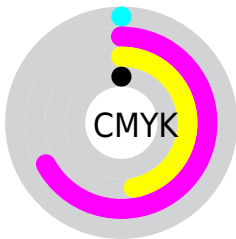
Blue (53%)



Red (100%)

Yellow (33%)

Blue (53%)

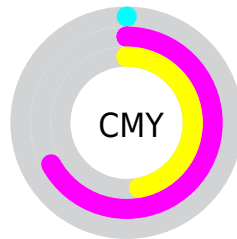


Cyan (0%)

Magenta (67%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (67%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3782, 0.4670, 0.2808 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 29.3782, 0.4670, 0.2808 by changing the saturation by 10% instead.




 29.3782, 0.4670,  
0.2808


 29.3782, 0.4670,  
0.2808


298.9952, 0.3842,  
0.3082

 19.3671, 0.4892,  
0.2729


 58.6774, 0.4357,  
0.2916


 11.9358, 0.5185,  
0.2621


 78.7344, 0.4243,  
0.2954

 6.7000, 0.5586,  
0.2467


 102.9087, 0.4148,  
0.2985

 3.2752, 0.6159,  
0.2235

 131.5848, 0.4068,  
0.3011

 1.2770, 0.7025,  
0.1863

165.1472, 0.3999,  
0.3033

 0.1233, 0.9463,  
0.0537

203.9801, 0.3940,

 0.0000, 1.0000,

0.3052


0.0000

248.4680, 0.3888,  
0.3068


 0.0000, 0.0000,  
0.0000

 29.3782, 0.4670,  
0.2808


 29.3782, 0.4670,  
0.2808


 25.6496, 0.5037,  
0.2805


 34.6263, 0.4324,  
0.2848


 23.2770, 0.5396,  
0.2848


 41.5436, 0.4018,  
0.2913


 22.0434, 0.5713,  
0.2937

 50.2556, 0.3756,  
0.2991

 21.8036, 0.5797,  
0.2967

 60.8769, 0.3538,  
0.3074

 73.5128, 0.3359,  
0.3157

 88.2607, 0.3213,  
0.3237

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.



29.3782, 0.3563, 0.2225



29.3782, 0.4670, 0.2808



29.3782, 0.5255, 0.3495

# Triad

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



29.3782, 0.4670, 0.2808



29.3782, 0.3436, 0.5378



29.3782, 0.1410, 0.1911

# Complementary

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



29.3782, 0.4670, 0.2808



77.7158, 0.2551, 0.3950

# 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.



29.3782, 0.1382, 0.2499



29.3782, 0.4670, 0.2808



29.3782, 0.2455, 0.4860

# Square

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



29.3782, 0.4670, 0.2808



29.3782, 0.4390, 0.4981



29.3782, 0.1716, 0.3594



29.3782, 0.1767, 0.1727



# Rectangle

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



29.3782, 0.4670, 0.2808



29.3782, 0.5221, 0.3987



29.3782, 0.1716, 0.3594



29.3782, 0.1365, 0.2055

# Sweetspot

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



29.3763, 0.4670, 0.2808



69.5871, 0.3408, 0.3133



25.9551, 0.2687, 0.1541



14.1263, 0.3458, 0.3110



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.



29.3763, 0.4670, 0.2808



24.8208, 0.5145, 0.2812



34.2393, 0.5123, 0.3579



18.0780, 0.3246, 0.3218



11.4159, 0.5754, 0.2943



1.1300, 0.5434, 0.2767



# Inverse Universe

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



29.3763, 0.4670, 0.2808



24.8208, 0.5145, 0.2812



62.2266, 0.2249, 0.2900



18.0780, 0.3246, 0.3218



11.4159, 0.5754, 0.2943



1.1300, 0.5434, 0.2767



# Previews

## White Background



This preview shows how the Yxy color 29.3782, 0.4670, 0.2808 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

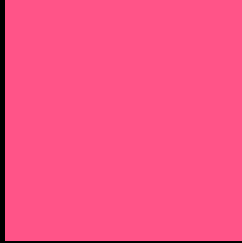
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.3782, 0.4670, 0.2808 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](#).

**Yxy 29.3782, 0.4670, 0.2808**

## Background



This preview shows how black text looks on a background with the Yxy color 29.3782, 0.4670, 0.2808.



This preview shows how white text looks on a background with the Yxy color 29.3782, 0.4670, 0.2808.

# 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

29.3782, 0.4670, 0.2808

### Protanopia

29.6474, 0.2869, 0.2922

### Deuteranopia

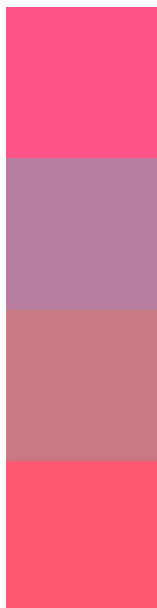
29.3395, 0.3573, 0.3502



## Tritanopia

29.4188, 0.5129, 0.3242

# Trichromacy



## Original Color

29.3782, 0.4670, 0.2808

## Protanomaly

27.0743, 0.3451, 0.2819

## Deuteranomaly

27.5928, 0.3980, 0.3160

## Tritanomaly

29.3854, 0.4973, 0.3085

# Monochromacy



## Original Color

29.3782, 0.4670, 0.2808

## Achromatopsia

26.6356, 0.3127, 0.3290

## Achromatomaly

25.2421, 0.3669, 0.3020

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.3782, 0.4670, 0.2808 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, 84, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 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, 84, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 29.3782, 0.4670, 0.2808 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, 84, 136) }
```

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

```
.border{ border-color:rgb(255, 84, 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, 84, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.3782, 0.4670, 0.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 136) }
```

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

```
.background{ background-color: rgb(255, 84,  
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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