

# Converting Colors

Yxy(31.0000, 0.4677, 0.2932)

Have a look what the booklet for  
Yxy(31.0000, 0.4677, 0.2932)  
contains.

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# Color

**Yxy(30.9314, 0.4682, 0.2931)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5E84
RGB	255, 94, 132
RGB Percent	100%, 37%, 52%
CMY	0.0000, 0.6314, 0.4824
CMYK	0.00, 0.63, 0.48, 0.00
HSL	346°, 100%, 68%
HSV	346°, 63%, 100%
XYZ	49.4100, 30.9314, 25.1905
YIQ	146.4710, 83.7580, 45.9500

# Conversions

## Conversions Part 2

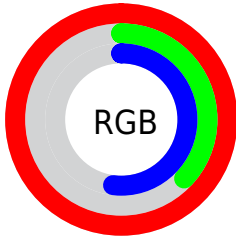
Format	Color
<a href="#">RYB</a>	255, 94, 132
Decimal	16735876
CIELab	62.45, 63.89, 12.48
CIELCh	62, 65.096, 11.053
Yxy	30.9314, 0.4682, 0.2931
Android (android.graphics.Color)	4294925956 (0xFFFF5E84)
YUV	146.4710, -7.1342, 95.1799
Hunter-Lab	55.6160, 61.2539, 12.0767

# Details

The Yxy color **30.9314, 0.4682, 0.2931** 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 **78.9102, 0.2520, 0.3759**, and the grayscale version is **28.9506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8960, 0.3824, 0.2937**, and **12.7925, 0.5194, 0.2772** is the 20% darker color. If you saturate the color by 10%, you get **26.6360, 0.5081, 0.2924**, and if you desaturate by 10%, it is **36.8225, 0.4312, 0.2967**.

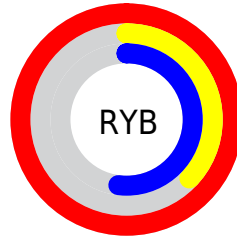
# Distribution



Red (100%)

Green (37%)

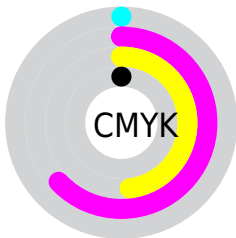
Blue (52%)



Red (100%)

Yellow (37%)

Blue (52%)

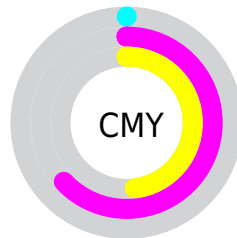


Cyan (0%)

Magenta (63%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (63%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9314, 0.4682, 0.2931 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 30.9314, 0.4682, 0.2931 by changing the saturation by 10% instead.





 30.9314, 0.4682,  
0.2931


 30.9314, 0.4682,  
0.2931


306.2222, 0.3851,  
0.3146


 20.5466, 0.4903,  
0.2865

 61.1321, 0.4369,  
0.3018

 12.7930, 0.5194,  
0.2774


 81.7167, 0.4255,  
0.3048

 7.2862, 0.5590,  
0.2641


 106.4701, 0.4159,  
0.3072

 3.6417, 0.6150,  
0.2433

 135.7767, 0.4078,  
0.3092

 1.4752, 0.7011,  
0.2096

170.0207, 0.4009,  
0.3109

 0.2712, 0.8921,  
0.1079

209.5868, 0.3950,


 0.0000, 1.0000,

0.3123

0.0000


254.8591, 0.3897,  
0.3136

 0.0000, 0.0000,  
0.0000

 30.9314, 0.4682,  
0.2931


 30.9314, 0.4682,  
0.2931


 26.6360, 0.5081,  
0.2924


 36.8225, 0.4312,  
0.2967

 23.7784, 0.5477,  
0.2954


 44.4491, 0.3990,  
0.3021

 22.1647, 0.5824,  
0.3026

 53.9339, 0.3719,  
0.3083

 21.5880, 0.6018,  
0.3089

 65.3888, 0.3495,  
0.3148

 78.9168, 0.3314,  
0.3212

94.6138, 0.3167,  
0.3272

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.



30.9314, 0.3691, 0.2351



30.9314, 0.4682, 0.2931



30.9314, 0.5142, 0.3603

# Triad

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



30.9314, 0.4682, 0.2931



30.9314, 0.3308, 0.5222



30.9314, 0.1524, 0.1946

# Complementary

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



30.9314, 0.4682, 0.2931



78.9102, 0.2520, 0.3759

# 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.



30.9314, 0.1457, 0.2454



30.9314, 0.4682, 0.2931



30.9314, 0.2392, 0.4600

# Square

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



30.9314, 0.4682, 0.2931



30.9314, 0.4226, 0.4978



30.9314, 0.1733, 0.3418



30.9314, 0.1914, 0.1807



# Rectangle

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



30.9314, 0.4682, 0.2931



30.9314, 0.5062, 0.4077



30.9314, 0.1733, 0.3418



30.9314, 0.1466, 0.2069

# Sweetspot

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



30.9309, 0.4682, 0.2931



70.7289, 0.3416, 0.3175



29.6346, 0.2820, 0.1671



14.3405, 0.3470, 0.3156



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.



30.9309, 0.4682, 0.2931



25.6788, 0.5197, 0.2928



39.1874, 0.4869, 0.3682



18.0573, 0.3257, 0.3234



11.2992, 0.5979, 0.3067



1.1162, 0.5668, 0.2896



# Inverse Universe

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



30.9309, 0.4682, 0.2931



25.6788, 0.5197, 0.2928



58.0733, 0.2251, 0.2788



18.0573, 0.3257, 0.3234



11.2992, 0.5979, 0.3067



1.1162, 0.5668, 0.2896



# Previews

## White Background



This preview shows how the Yxy color 30.9314, 0.4682, 0.2931 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

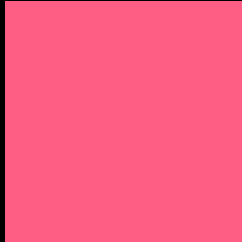
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.9314, 0.4682, 0.2931 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 30.9314, 0.4682, 0.2931**

## Background



This preview shows how black text looks on a background with the Yxy color 30.9314, 0.4682, 0.2931.



This preview shows how white text looks on a background with the Yxy color 30.9314, 0.4682, 0.2931.

# 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

30.9314, 0.4682, 0.2931

### Protanopia

31.0006, 0.3026, 0.3107

### Deuteranopia

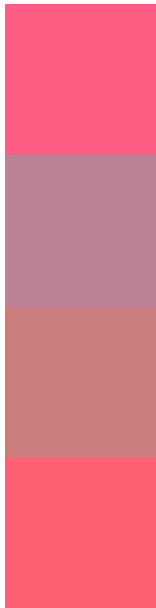
30.8200, 0.3672, 0.3599



## Tritanopia

30.8262, 0.4994, 0.3240

# Trichromacy



**Original Color**

30.9314, 0.4682, 0.2931

**Protanomaly**

29.0184, 0.3576, 0.3003

**Deuteranomaly**

29.2914, 0.4053, 0.3280

**Tritanomaly**

30.8580, 0.4886, 0.3125

# Monochromacy



**Original Color**

30.9314, 0.4682, 0.2931

**Achromatopsia**

28.7441, 0.3127, 0.3290

**Achromatomaly**

27.5409, 0.3669, 0.3095

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.9314, 0.4682, 0.2931 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, 94, 132)` looks like.

```
.text, #text, p{  
  color:rgb(255, 94, 132)  
}
```

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, 94, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 30.9314, 0.4682, 0.2931 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, 94, 132) }
```

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

```
.border{ border-color:rgb(255, 94, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 94, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.9314, 0.4682, 0.2931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 132) }
```

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

```
.background{ background-color: rgb(255, 94,  
132) }
```

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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