

# Converting Colors

$Y_{xy}(29.7944, 0.4067, 0.2326)$

Have a look what the booklet for  
Yxy(29.7944, 0.4067, 0.2326)  
contains.

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# Color

**Yxy(29.8630, 0.4067, 0.2330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4DB4
RGB	255, 77, 180
RGB Percent	100%, 30%, 71%
CMY	0.0001, 0.6979, 0.2942
CMYK	0.00, 0.70, 0.29, 0.00
HSL	325°, 100%, 65%
HSV	325°, 70%, 100%
XYZ	52.1257, 29.8630, 46.1787
YIQ	141.9640, 73.0250, 69.7690

# Conversions

## Conversions Part 2

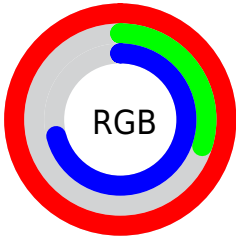
Format	Color
R <sub>Y</sub> B	255, 77, 180
Decimal	16731572
CIE Lab	61.54, 75.06, -16.58
CIE LCh	62, 76.872, 347.543
Yxy	29.8630, 0.4067, 0.2330
Android (android.graphics.Color)	4294921652 (0xFFFF4DB4)
YUV	141.9640, 18.7517, 99.1326
Hunter-Lab	54.6470, 74.6318, -11.8492

# Details

The Yxy color **29.8630, 0.4067, 0.2330** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed rose. A complement of this color would be **75.3600, 0.2750, 0.4658**, and the grayscale version is **26.9438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4931, 0.3346, 0.2325**, and **13.0016, 0.4325, 0.2156** is the 20% darker color. If you saturate the color by 10%, you get **26.5453, 0.4266, 0.2282**, and if you desaturate by 10%, it is **34.6153, 0.3877, 0.2422**.

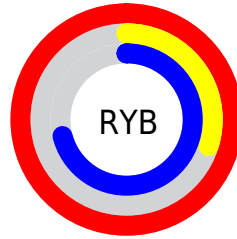
# Distribution



Red (100%)

Green (30%)

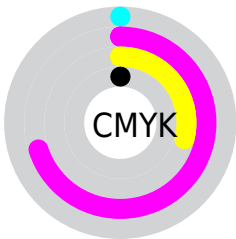
Blue (71%)



Red (100%)

Yellow (30%)

Blue (71%)

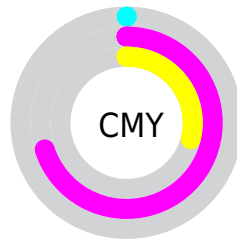


Cyan (0%)

Magenta (70%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (70%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8630, 0.4067, 0.2330 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 29.8630, 0.4067, 0.2330 by changing the saturation by 10% instead.




 29.8630, 0.4067,  
0.2330


 29.8630, 0.4067,  
0.2330


301.2653, 0.3586,  
0.2804


 19.7346, 0.4190,  
0.2215


 59.4455, 0.3890,  
0.2500


 12.2023, 0.4348,  
0.2069


 79.6683, 0.3824,  
0.2565

 6.8816, 0.4560,  
0.1881

 104.0248, 0.3769,  
0.2620

 3.3882, 0.4856,  
0.1629

 132.8993, 0.3721,  
0.2667

 1.3376, 0.5295,  
0.1281

166.6762, 0.3681,  
0.2708

 0.1700, 0.6240,  
0.0408

205.7399, 0.3645,


 0.0000, 0.8718,

0.2744


0.0000


250.4748, 0.3614,  
0.2776


 0.0000, 0.0000,  
0.0000


 29.8630, 0.4067,  
0.2330


 29.8630, 0.4067,  
0.2330


 26.5453, 0.4266,  
0.2282


 34.6153, 0.3877,  
0.2422


 24.4829, 0.4466,  
0.2287

 40.9442, 0.3704,  
0.2546


 23.3985, 0.4660,  
0.2342

 48.9797, 0.3549,  
0.2690

 23.3795, 0.4664,  
0.2343

 58.8369, 0.3415,  
0.2843

 70.6207, 0.3301,  
0.2998

 84.4281, 0.3206,  
0.3149

99.9975, 0.3127,  
0.3290

# Harmonies

## Analogous

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



29.8630, 0.2799, 0.1840



29.8630, 0.4067, 0.2330



29.8630, 0.5162, 0.2996

# Triad

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



29.8630, 0.4067, 0.2330



29.8630, 0.4105, 0.5358



29.8630, 0.1214, 0.2119

# Complementary

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



29.8630, 0.4067, 0.2330



75.3600, 0.2750, 0.4658

# 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.



29.8630, 0.1408, 0.3114



29.8630, 0.4067, 0.2330



29.8630, 0.3034, 0.5576

# Square

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



29.8630, 0.4067, 0.2330



29.8630, 0.5017, 0.4564



29.8630, 0.2037, 0.4598



29.8630, 0.1369, 0.1677



# Rectangle

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



29.8630, 0.4067, 0.2330



29.8630, 0.5475, 0.3485



29.8630, 0.2037, 0.4598



29.8630, 0.1237, 0.2380

# Sweetspot

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



29.8646, 0.4067, 0.2330



69.0937, 0.3314, 0.2980



19.1292, 0.2246, 0.1283



14.0643, 0.3344, 0.2937



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.



29.8646, 0.4067, 0.2330



25.5377, 0.4351, 0.2277



27.3410, 0.5320, 0.3175



18.1633, 0.3203, 0.3153



12.2482, 0.4634, 0.2326



1.2144, 0.4426, 0.2212



# Inverse Universe

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



29.8646, 0.4067, 0.2330



25.5377, 0.4351, 0.2277



79.3917, 0.2383, 0.3467



18.1633, 0.3203, 0.3153



12.2482, 0.4634, 0.2326



1.2144, 0.4426, 0.2212



# Previews

## White Background



This preview shows how the Yxy color 29.8630, 0.4067, 0.2330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

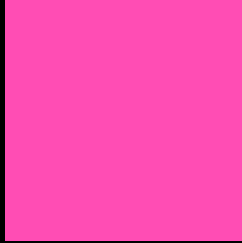
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.8630, 0.4067, 0.2330 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 29.8630, 0.4067, 0.2330**

## Background



This preview shows how black text looks on a background with the Yxy color 29.8630, 0.4067, 0.2330.



This preview shows how white text looks on a background with the Yxy color 29.8630, 0.4067, 0.2330.

# 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

29.8630, 0.4067, 0.2330

### Protanopia

30.1929, 0.2276, 0.2136

### Deuteranopia

29.9254, 0.2973, 0.2916



## Tritanopia

29.8746, 0.4979, 0.3238

# Trichromacy



## Original Color

29.8630, 0.4067, 0.2330



## Protanomaly

26.7530, 0.2741, 0.2103



## Deuteranomaly

27.4361, 0.3342, 0.2576



## Tritanomaly

29.4875, 0.4662, 0.2888

# Monochromacy



## Original Color

29.8630, 0.4067, 0.2330



## Achromatopsia

27.0498, 0.3127, 0.3290



## Achromatomaly

25.4244, 0.3475, 0.2760

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.8630, 0.4067, 0.2330 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, 77, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 180)  
}
```

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, 77, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 29.8630, 0.4067, 0.2330 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, 77, 180) }
```

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

```
.border{ border-color:rgb(255, 77, 180) }
```

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

Here you see how a box with a 4 pixel rgb(255, 77, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.8630, 0.4067, 0.2330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 180) }
```

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

```
.background{ background-color: rgb(255, 77,  
180) }
```

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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