

# Converting Colors

Yxy(30.6456, 0.3817, 0.2249)

Have a look what the booklet for  
Yxy(30.6456, 0.3817, 0.2249)  
contains.

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# Color

**Yxy(30.6456, 0.3817, 0.2249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F956C1
RGB	249, 86, 193
RGB Percent	98%, 34%, 76%
CMY	0.0236, 0.6626, 0.2433
CMYK	0.00, 0.65, 0.22, 0.02
HSL	321°, 93%, 66%
HSV	321°, 65%, 98%
XYZ	52.0117, 30.6456, 53.6060
YIQ	146.9350, 62.8010, 67.8330

# Conversions

## Conversions Part 2

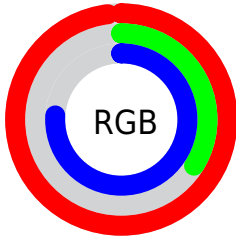
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	249, 86, 193
Decimal	16340673
CIE <sub>Lab</sub>	62.21, 71.87, -23.08
CIE <sub>LCh</sub>	62, 75.485, 342.193
Y <sub>xy</sub>	30.6456, 0.3817, 0.2249
Android (android.graphics.Color)	4294530753 (0xFFFF956C1)
YUV	146.9350, 22.7100, 89.5110
Hunter-Lab	55.3585, 70.8311, -18.6621

# Details

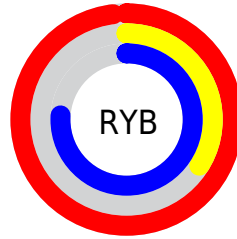
The Yxy color **30.6456, 0.3817, 0.2249** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **71.6737, 0.2812, 0.4732**, and the grayscale version is **29.0405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4129, 0.3219, 0.2271**, and **12.6829, 0.4017, 0.1986** is the 20% darker color. If you saturate the color by 10%, you get **26.9667, 0.3968, 0.2165**, and if you desaturate by 10%, it is **35.7338, 0.3674, 0.2372**.

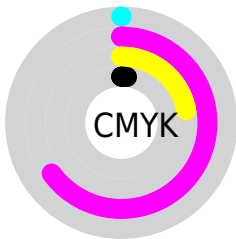
# Distribution



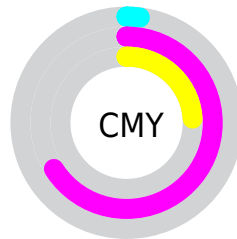
- Red (98%)
- Green (34%)
- Blue (76%)



- Red (98%)
- Yellow (34%)
- Blue (76%)



- Cyan (0%)
- Magenta (65%)
- Yellow (22%)
- Black (2%)




- Cyan (2%)
- Magenta (66%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.6456, 0.3817, 0.2249 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 30.6456, 0.3817, 0.2249 by changing the saturation by 10% instead.




 30.6456, 0.3817,  
0.2249


 30.6456, 0.3817,  
0.2249


304.9023, 0.3475,  
0.2753

 20.3291, 0.3901,  
0.2130


 60.6817, 0.3694,  
0.2428


 12.6345, 0.4007,  
0.1980

 81.1701, 0.3647,  
0.2496

 7.1774, 0.4146,  
0.1789


 105.8179, 0.3607,  
0.2555

 3.5733, 0.4335,  
0.1539

 135.0095, 0.3573,  
0.2605

 1.4378, 0.4602,  
0.1202

169.1294, 0.3544,  
0.2649

 0.2444, 0.5139,  
0.0486


208.5619, 0.3518,


 0.0000, 0.5817,

0.2688

0.0000

253.6914, 0.3495,  
0.2723


 0.0000, 0.0000,  
0.0000


 30.6456, 0.3817,  
0.2249


 30.6456, 0.3817,  
0.2249


 26.9667, 0.3968,  
0.2165

 35.7338, 0.3674,  
0.2372


 24.5413, 0.4122,  
0.2129


 42.3563, 0.3543,  
0.2523


 23.1841, 0.4272,  
0.2145

 50.6296, 0.3426,  
0.2689


 22.7942, 0.4340,  
0.2164

 60.6574, 0.3324,  
0.2862

 72.5350, 0.3236,  
0.3035

 86.3508, 0.3162,  
0.3202

 98.7402, 0.3102,  
0.3310

 98.8759, 0.3090,  
0.3290

# Harmonies

## Analogous

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



30.6456, 0.2617, 0.1808



30.6456, 0.3817, 0.2249



30.6456, 0.4963, 0.2884

# Triad

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



30.6456, 0.3817, 0.2249



30.6456, 0.4274, 0.5200



30.6456, 0.1257, 0.2279

# Complementary

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



30.6456, 0.3817, 0.2249



71.6737, 0.2812, 0.4732

# 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.



30.6456, 0.1522, 0.3361



30.6456, 0.3817, 0.2249



30.6456, 0.3236, 0.5552

# Square

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



30.6456, 0.3817, 0.2249



30.6456, 0.5107, 0.4405



30.6456, 0.2223, 0.4801



30.6456, 0.1350, 0.1757



# Rectangle

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



30.6456, 0.3817, 0.2249



30.6456, 0.5375, 0.3360



30.6456, 0.2223, 0.4801



30.6456, 0.1301, 0.2572

# Sweetspot

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



30.6472, 0.3817, 0.2249



70.5875, 0.3275, 0.2956



19.1071, 0.2204, 0.1345



14.3653, 0.3300, 0.2908



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.



30.6472, 0.3817, 0.2249



27.3911, 0.4024, 0.2146



27.9951, 0.4929, 0.3041



17.4172, 0.3191, 0.3136



12.2314, 0.4316, 0.2151



1.1528, 0.4149, 0.2059



# Inverse Universe

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



30.6472, 0.3817, 0.2249



27.3911, 0.4024, 0.2146



74.9835, 0.2462, 0.3629



17.4172, 0.3191, 0.3136



12.2314, 0.4316, 0.2151



1.1528, 0.4149, 0.2059



# Previews

## White Background



This preview shows how the Yxy color 30.6456, 0.3817, 0.2249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

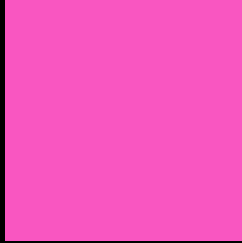
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.6456, 0.3817, 0.2249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

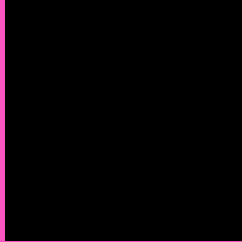
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.6456, 0.3817, 0.2249**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.6456, 0.3817, 0.2249.



This preview shows how white text looks on a background with the Yxy color 30.6456, 0.3817, 0.2249.

# 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

30.6456, 0.3817, 0.2249

### Protanopia

31.1841, 0.2214, 0.2060

### Deuteranopia

30.7177, 0.2815, 0.2747



## Tritanopia

30.6075, 0.4729, 0.3223

# Trichromacy



## Original Color

30.6456, 0.3817, 0.2249



## Protanomaly

27.8875, 0.2622, 0.2033



## Deuteranomaly

28.5694, 0.3144, 0.2474



## Tritanomaly

30.3193, 0.4410, 0.2840

# Monochromacy



## Original Color

30.6456, 0.3817, 0.2249



## Achromatopsia

29.1771, 0.3127, 0.3290



## Achromatomaly

27.5379, 0.3380, 0.2754

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.6456, 0.3817, 0.2249 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(249, 86, 193)` looks like.

```
.text, #text, p{  
  color:rgb(249, 86, 193)  
}
```

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(249, 86, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 86, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 30.6456, 0.3817, 0.2249 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(249, 86, 193) }
```

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

```
.border{ border-color:rgb(249, 86, 193) }
```

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

Here you see how a box with a 4 pixel rgb(249, 86, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 86, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 86, 193);  
box-shadow:4px 4px 4px 4px rgb(249, 86,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.6456, 0.3817, 0.2249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 86, 193) }
```

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

```
.background{ background-color: rgb(249, 86,  
193) }
```

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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