

# Converting Colors

$Y_{xy}(36.0245, 0.4408, 0.3084)$

Have a look what the booklet for  
Yxy(36.0245, 0.4408, 0.3084)  
contains.

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# Color

**Yxy(35.8653, 0.4401, 0.3076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB788D
RGB	251, 120, 141
RGB Percent	98%, 47%, 55%
CMY	0.0156, 0.5295, 0.4471
CMYK	0.00, 0.52, 0.44, 0.02
HSL	350°, 94%, 73%
HSV	350°, 52%, 98%
XYZ	51.3144, 35.8653, 29.4175
YIQ	161.5630, 71.3350, 34.3030

# Conversions

## Conversions Part 2

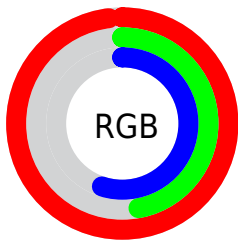
Format	Color
R <sub>Y</sub> B	251, 120, 141
Decimal	16480397
CIE Lab	66.42, 51.89, 12.80
CIE LCh	66, 53.445, 13.861
Yxy	35.8653, 0.4401, 0.3076
Android (android.graphics.Color)	4294670477 (0xFFFB788D)
YUV	161.5630, -10.1376, 78.4362
Hunter-Lab	59.8876, 48.1435, 12.7974

# Details

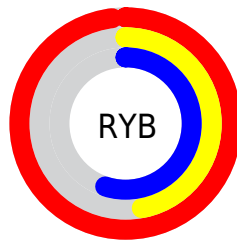
The Yxy color **35.8653, 0.4401, 0.3076** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.7157, 0.2543, 0.3540**, and the grayscale version is **35.9393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8150, 0.3675, 0.3093**, and **15.4831, 0.4804, 0.2974** is the 20% darker color. If you saturate the color by 10%, you get **30.0320, 0.4806, 0.3054**, and if you desaturate by 10%, it is **43.4039, 0.4048, 0.3112**.

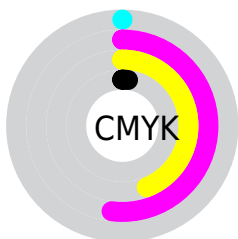
# Distribution



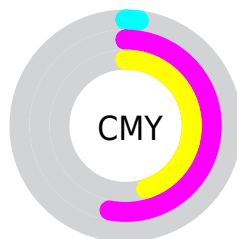
- Red (98%)
- Green (47%)
- Blue (55%)



- Red (98%)
- Yellow (47%)
- Blue (55%)



- Cyan (0%)
- Magenta (52%)
- Yellow (44%)
- Black (2%)




- Cyan (2%)
- Magenta (53%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8653, 0.4401, 0.3076 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 35.8653, 0.4401, 0.3076 by changing the saturation by 10% instead.




 35.8653, 0.4401,  
0.3076


 35.8653, 0.4401,  
0.3076


328.3714, 0.3733,  
0.3207

 24.3302, 0.4576,  
0.3035


 68.8241, 0.4152,  
0.3130

 15.5787, 0.4804,  
0.2978


 91.0166, 0.4060,  
0.3148

 9.2266, 0.5114,  
0.2894


 117.5303, 0.3983,  
0.3163

 4.8892, 0.5552,  
0.2761

148.7497, 0.3918,  
0.3175

 2.1824, 0.6206,  
0.2532

185.0591, 0.3862,  
0.3185

 0.7104, 0.7781,  
0.2219

226.8429, 0.3813,

 0.0000, 1.0000,

0.3194


0.0000


274.4855, 0.3770,  
0.3201


 0.0000, 0.0000,  
0.0000


 35.8653, 0.4401,  
0.3076


 35.8653, 0.4401,  
0.3076

 30.0320, 0.4806,  
0.3054


 43.4039, 0.4048,  
0.3112


 25.7650, 0.5239,  
0.3053

 52.7613, 0.3752,  
0.3154


 22.9131, 0.5659,  
0.3081

 64.0477, 0.3510,  
0.3198

 21.2917, 0.6008,  
0.3138

 77.3629, 0.3315,  
0.3241

 20.6687, 0.6205,  
0.3192

 92.7999, 0.3157,  
0.3282

99.2537, 0.3103,  
0.3290

# Harmonies

## Analogous

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



35.8653, 0.3661, 0.2569



35.8653, 0.4401, 0.3076



35.8653, 0.4734, 0.3657

# Triad

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



35.8653, 0.4401, 0.3076



35.8653, 0.3246, 0.4751



35.8653, 0.1825, 0.2182

# Complementary

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



35.8653, 0.4401, 0.3076



78.7157, 0.2543, 0.3540

# 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.



35.8653, 0.1747, 0.2594



35.8653, 0.4401, 0.3076



35.8653, 0.2504, 0.4207

# Square

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



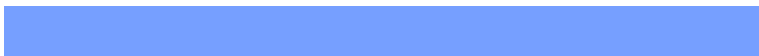
35.8653, 0.4401, 0.3076



35.8653, 0.3997, 0.4695



35.8653, 0.1971, 0.3331



35.8653, 0.2190, 0.2072



# Rectangle

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



35.8653, 0.4401, 0.3076



35.8653, 0.4668, 0.4051



35.8653, 0.1971, 0.3331



35.8653, 0.1767, 0.2283

# Sweetspot

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



35.8672, 0.4401, 0.3076



74.6612, 0.3384, 0.3225



37.0854, 0.2989, 0.1962



15.3707, 0.3424, 0.3216



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.



35.8672, 0.4401, 0.3076



30.6866, 0.4842, 0.3053



48.3016, 0.4378, 0.3750



17.2706, 0.3269, 0.3252



10.8756, 0.6174, 0.3175



1.0200, 0.5882, 0.3014



# Inverse Universe

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



35.8672, 0.4401, 0.3076



30.6866, 0.4842, 0.3053



55.7523, 0.2344, 0.2748



17.2706, 0.3269, 0.3252



10.8756, 0.6174, 0.3175



1.0200, 0.5882, 0.3014



# Previews

## White Background



This preview shows how the Yxy color 35.8653, 0.4401, 0.3076 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

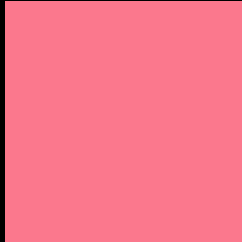
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.8653, 0.4401, 0.3076 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 35.8653, 0.4401, 0.3076**

## Background



This preview shows how black text looks on a background with the Yxy color 35.8653, 0.4401, 0.3076.



This preview shows how white text looks on a background with the Yxy color 35.8653, 0.4401, 0.3076.

# 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

35.8653, 0.4401, 0.3076

### Protanopia

36.0266, 0.3138, 0.3261

### Deuteranopia

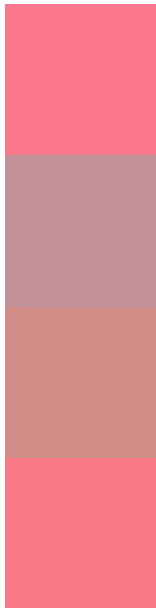
36.0910, 0.3646, 0.3581



## Tritanopia

35.8548, 0.4515, 0.3211

# Trichromacy



**Original Color**

35.8653, 0.4401, 0.3076

**Protanomaly**

34.6601, 0.3566, 0.3172

**Deuteranomaly**

35.1527, 0.3921, 0.3368

**Tritanomaly**

35.7200, 0.4472, 0.3159

# Monochromacy



**Original Color**

35.8653, 0.4401, 0.3076

**Achromatopsia**

36.1307, 0.3127, 0.3290

**Achromatomaly**

34.6699, 0.3552, 0.3198

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.8653, 0.4401, 0.3076 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(251, 120, 141)` looks like.

```
.text, #text, p{  
    color:rgb(251, 120, 141)  
}
```

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(251, 120, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 120, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 35.8653, 0.4401, 0.3076 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(251, 120, 141) }
```

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

```
.border{ border-color:rgb(251, 120, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 120, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 120, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 120, 141);  
box-shadow:4px 4px 4px 4px rgb(251, 120,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.8653, 0.4401, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 120, 141) }
```

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

```
.background{ background-color: rgb(251,  
120, 141) }
```

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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