

# Converting Colors

$Yxy(38.6066, 0.3949, 0.2695)$

Have a look what the booklet for  
Yxy(38.6066, 0.3949, 0.2695)  
contains.

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# Color

**Yxy(38.5153, 0.3948, 0.2689)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF7AB5
RGB	255, 122, 181
RGB Percent	100%, 48%, 71%
CMY	0.0000, 0.5216, 0.2902
CMYK	0.00, 0.52, 0.29, 0.00
HSL	333°, 100%, 74%
HSV	333°, 52%, 100%
XYZ	56.5483, 38.5153, 48.1692
YIQ	168.4930, 60.3290, 46.5450

# Conversions

## Conversions Part 2

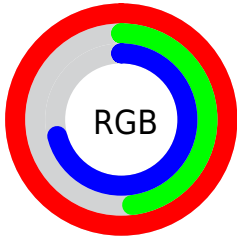
Format	Color
R <sub>Y</sub> B	255, 122, 181
Decimal	16743093
CIE Lab	68.40, 56.74, -6.88
CIE LCh	68, 57.158, 353.088
Yxy	38.5153, 0.3948, 0.2689
Android (android.graphics.Color)	4294933173 (0xFFFF7AB5)
YUV	168.4930, 6.1660, 75.8666
Hunter-Lab	62.0607, 54.0390, -2.5762

# Details

The Yxy color **38.5153, 0.3948, 0.2689** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.6412, 0.2712, 0.4019**, and the grayscale version is **39.3541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2152, 0.3302, 0.2699**, and **17.0570, 0.4192, 0.2522** is the 20% darker color. If you saturate the color by 10%, you get **32.4975, 0.4197, 0.2602**, and if you desaturate by 10%, it is **46.2269, 0.3729, 0.2797**.

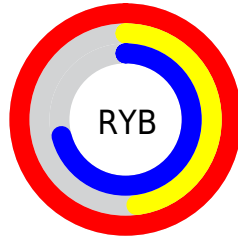
# Distribution



Red (100%)

Green (48%)

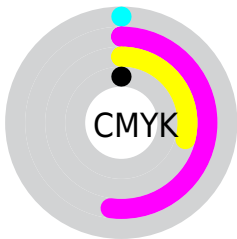
Blue (71%)



Red (100%)

Yellow (48%)

Blue (71%)

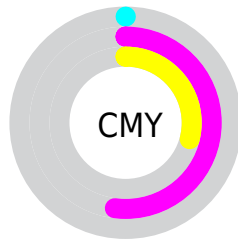


Cyan (0%)

Magenta (52%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (52%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5153, 0.3948, 0.2689 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 38.5153, 0.3948, 0.2689 by changing the saturation by 10% instead.





 38.5153, 0.3948,  
0.2689


 38.5153, 0.3948,  
0.2689


339.8253, 0.3532,  
0.2987


 26.3829, 0.4053,  
0.2616


 72.8973, 0.3796,  
0.2797

 17.1103, 0.4189,  
0.2522


 95.9156, 0.3739,  
0.2837

 10.3132, 0.4370,  
0.2400


 123.3314, 0.3691,  
0.2872

 5.6071, 0.4623,  
0.2232

155.5289, 0.3650,  
0.2901

 2.6077, 0.4999,  
0.1990

192.8927, 0.3614,  
0.2927

 0.9305, 0.5609,  
0.1617

235.8071, 0.3583,

 0.0000, 0.8158,

0.2950

0.0000

284.6565, 0.3556,  
0.2969

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

38.5153, 0.3948,  
0.2689

38.5153, 0.3948,  
0.2689

32.4975, 0.4197,  
0.2602

46.2269, 0.3729,  
0.2797

28.0521, 0.4471,  
0.2549

55.7630, 0.3542,  
0.2916

25.0217, 0.4757,  
0.2543

67.2278, 0.3385,  
0.3036

23.2214, 0.5037,  
0.2591

80.7209, 0.3255,  
0.3155

■ 22.4553, 0.5243,  
0.2662

■ 96.3350, 0.3148,  
0.3267

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.



38.5153, 0.3073, 0.2267



38.5153, 0.3948, 0.2689



38.5153, 0.4620, 0.3242

# Triad

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



38.5153, 0.3948, 0.2689



38.5153, 0.3796, 0.4833



38.5153, 0.1690, 0.2394

# Complementary

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



38.5153, 0.3948, 0.2689



79.6412, 0.2712, 0.4019

# 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.



38.5153, 0.1821, 0.3060



38.5153, 0.3948, 0.2689



38.5153, 0.2995, 0.4715

# Square

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



38.5153, 0.3948, 0.2689



38.5153, 0.4463, 0.4439



38.5153, 0.2274, 0.3979



38.5153, 0.1862, 0.2074



# Rectangle

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



38.5153, 0.3948, 0.2689



38.5153, 0.4800, 0.3645



38.5153, 0.2274, 0.3979



38.5153, 0.1699, 0.2577

# Sweetspot

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



38.5114, 0.3948, 0.2689



75.2978, 0.3302, 0.3110



32.7563, 0.2660, 0.1833



15.5212, 0.3328, 0.3085



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.



38.5114, 0.3948, 0.2689



32.0673, 0.4219, 0.2596



38.2693, 0.4616, 0.3361



18.1210, 0.3224, 0.3185



11.7623, 0.5203, 0.2640



1.1668, 0.4920, 0.2484



# Inverse Universe

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



38.5114, 0.3948, 0.2689



32.0673, 0.4219, 0.2596



78.7062, 0.2438, 0.3211



18.1210, 0.3224, 0.3185



11.7623, 0.5203, 0.2640



1.1668, 0.4920, 0.2484



# Previews

## White Background



This preview shows how the Yxy color 38.5153, 0.3948, 0.2689 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 38.5153, 0.3948, 0.2689 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 38.5153, 0.3948, 0.2689**

## Background



This preview shows how black text looks on a background with the Yxy color 38.5153, 0.3948, 0.2689.



This preview shows how white text looks on a background with the Yxy color 38.5153, 0.3948, 0.2689.

# 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

38.5153, 0.3948, 0.2689

### Protanopia

38.6818, 0.2713, 0.2700

### Deuteranopia

38.6000, 0.3191, 0.3128



## Tritanopia

38.3679, 0.4363, 0.3189

# Trichromacy



## Original Color

38.5153, 0.3948, 0.2689



## Protanomaly

36.9559, 0.3099, 0.2661



## Deuteranomaly

37.3072, 0.3449, 0.2917



## Tritanomaly

38.2407, 0.4209, 0.3000

# Monochromacy



## Original Color

38.5153, 0.3948, 0.2689



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

37.4297, 0.3411, 0.3009

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.5153, 0.3948, 0.2689 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, 122, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 181)  
}
```

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, 122, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 38.5153, 0.3948, 0.2689 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, 122, 181) }
```

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

```
.border{ border-color:rgb(255, 122, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 122, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.5153, 0.3948, 0.2689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 181) }
```

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

```
.background{ background-color: rgb(255,  
122, 181) }
```

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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