

# Converting Colors

$Y_{xy}(38.8080, 0.3710, 0.2458)$

Have a look what the booklet for  
Yxy(38.8080, 0.3710, 0.2458)  
contains.

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# Color

**Yxy(38.7179, 0.3715, 0.2459)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF77CA
RGB	255, 119, 202
RGB Percent	100%, 47%, 79%
CMY	0.0000, 0.5333, 0.2080
CMYK	0.00, 0.53, 0.21, 0.00
HSL	323°, 100%, 73%
HSV	323°, 53%, 100%
XYZ	58.4941, 38.7179, 60.2418
YIQ	169.1260, 54.4130, 54.6450

# Conversions

## Conversions Part 2

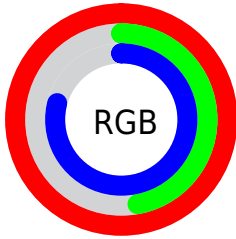
Format	Color
R <sub>Y</sub> B	255, 119, 202
Decimal	16742346
CIE Lab	68.55, 60.87, -18.42
CIE LCh	69, 63.600, 343.166
Yxy	38.7179, 0.3715, 0.2459
Android (android.graphics.Color)	4294932426 (0xFFFF77CA)
YUV	169.1260, 16.2069, 75.3115
Hunter-Lab	62.2237, 58.9095, -13.8450

# Details

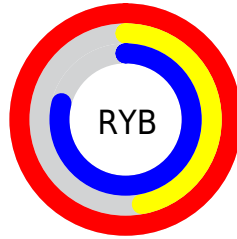
The Yxy color **38.7179, 0.3715, 0.2459** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.4236, 0.2812, 0.4339**, and the grayscale version is **39.6411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **17.1855, 0.3864, 0.2245** is the 20% darker color. If you saturate the color by 10%, you get **32.9856, 0.3879, 0.2338**, and if you desaturate by 10%, it is **46.1113, 0.3567, 0.2604**.

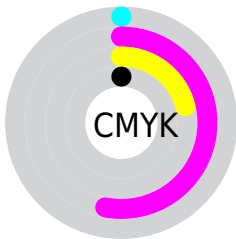
# Distribution



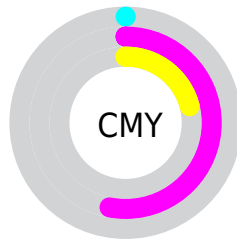
- Red (100%)
- Green (47%)
- Blue (79%)



- Red (100%)
- Yellow (47%)
- Blue (79%)



- Cyan (0%)
- Magenta (53%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (53%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7179, 0.3715, 0.2459 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 38.7179, 0.3715, 0.2459 by changing the saturation by 10% instead.





 38.7179, 0.3715,  
0.2459


 38.7179, 0.3715,  
0.2459


340.6896, 0.3428,  
0.2856

 26.5403, 0.3784,  
0.2366


 73.2072, 0.3612,  
0.2599

 17.2283, 0.3872,  
0.2250


 96.2877, 0.3573,  
0.2653

 10.3974, 0.3985,  
0.2102


 123.7713, 0.3540,  
0.2699

 5.6632, 0.4139,  
0.1906

156.0424, 0.3512,  
0.2739

 2.6414, 0.4356,  
0.1639

193.4854, 0.3487,  
0.2773

 0.9475, 0.4683,  
0.1260

236.4846, 0.3465,

 0.0000, 0.5616,

0.2804

0.0000

285.4246, 0.3445,  
0.2831

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.7179, 0.3715,  
0.2459

■ 38.7179, 0.3715,  
0.2459

■ 32.9856, 0.3879,  
0.2338

■ 46.1113, 0.3567,  
0.2604

■ 28.7761, 0.4055,  
0.2254

■ 55.2807, 0.3437,  
0.2762

■ 25.9358, 0.4236,  
0.2217

■ 66.3356, 0.3325,  
0.2925

■ 24.2762, 0.4415,  
0.2234

■ 79.3757, 0.3230,  
0.3086

■ 23.6447, 0.4531,  
0.2270

■ 94.4933, 0.3151,  
0.3240

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.



38.7179, 0.2762, 0.2072



38.7179, 0.3715, 0.2459



38.7179, 0.4588, 0.3014

# Triad

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



38.7179, 0.3715, 0.2459



38.7179, 0.4108, 0.4881



38.7179, 0.1573, 0.2490

# Complementary

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



38.7179, 0.3715, 0.2459



78.4236, 0.2812, 0.4339

# 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.



38.7179, 0.1818, 0.3344



38.7179, 0.3715, 0.2459



38.7179, 0.3255, 0.5015

# Square

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



38.7179, 0.3715, 0.2459



38.7179, 0.4756, 0.4316



38.7179, 0.2414, 0.4395



38.7179, 0.1655, 0.2034



# Rectangle

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



38.7179, 0.3715, 0.2459



38.7179, 0.4915, 0.3435



38.7179, 0.2414, 0.4395



38.7179, 0.1616, 0.2731

# Sweetspot

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



38.7193, 0.3715, 0.2459



75.6915, 0.3254, 0.3044



29.0908, 0.2460, 0.1725



15.6150, 0.3273, 0.3011



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.



38.7193, 0.3715, 0.2459



32.6565, 0.3890, 0.2331



36.2028, 0.4519, 0.3134



18.1733, 0.3198, 0.3146



12.3850, 0.4503, 0.2255



1.2273, 0.4315, 0.2151



# Inverse Universe

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



38.7193, 0.3715, 0.2459



32.6565, 0.3890, 0.2331



81.6829, 0.2509, 0.3475



18.1733, 0.3198, 0.3146



12.3850, 0.4503, 0.2255

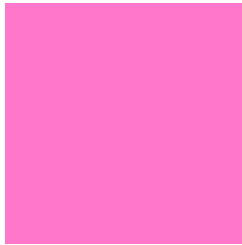


1.2273, 0.4315, 0.2151



# Previews

## White Background



This preview shows how the Yxy color 38.7179, 0.3715, 0.2459 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

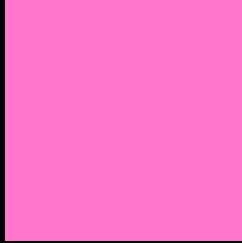
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.7179, 0.3715, 0.2459 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 38.7179, 0.3715, 0.2459**

## Background



This preview shows how black text looks on a background with the Yxy color 38.7179, 0.3715, 0.2459.

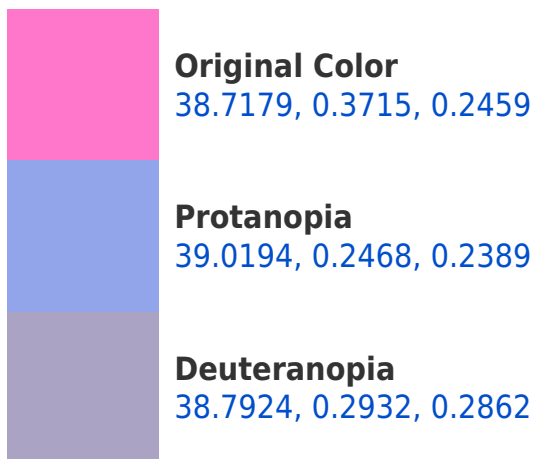


This preview shows how white text looks on a background with the Yxy color 38.7179, 0.3715, 0.2459.

# 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





## Tritanopia

38.5953, 0.4311, 0.3187

# Trichromacy



## Original Color

38.7179, 0.3715, 0.2459



## Protanomaly

36.9466, 0.2836, 0.2373



## Deuteranomaly

37.5012, 0.3195, 0.2664



## Tritanomaly

38.3683, 0.4093, 0.2904

# Monochromacy



## Original Color

38.7179, 0.3715, 0.2459



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

37.7488, 0.3333, 0.2910

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.7179, 0.3715, 0.2459 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, 119, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 202)  
}
```

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, 119, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 38.7179, 0.3715, 0.2459 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, 119, 202) }
```

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

```
.border{ border-color:rgb(255, 119, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 119, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 119, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 119, 202); box-shadow:4px 4px 4px 4px rgb(255, 119, 202) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.7179, 0.3715, 0.2459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 202) }
```

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

```
.background{ background-color: rgb(255,  
119, 202) }
```

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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