

# Converting Colors

$Y_{xy}(44.1463, 0.3894, 0.2448)$

Have a look what the booklet for  
Yxy(44.1463, 0.3894, 0.2448)  
contains.

<b>Yxy(38.4039, 0.3632, 0.2359)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(38.4039, 0.3632, 0.2359)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF74D2
RGB	255, 116, 210
RGB Percent	100%, 45%, 82%
CMY	0.0000, 0.5452, 0.1765
CMYK	0.00, 0.55, 0.18, 0.00
HSL	319°, 100%, 73%
HSV	319°, 55%, 100%
XYZ	59.1280, 38.4039, 65.2655
YIQ	168.2770, 52.6700, 58.7020

# Conversions

## Conversions Part 2

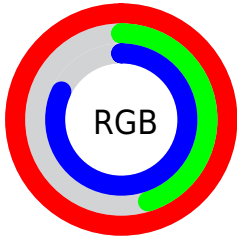
Format	Color
R <sub>Y</sub> B	255, 116, 210
Decimal	16741586
CIE Lab	68.32, 63.39, -23.26
CIE LCh	68, 67.525, 339.854
Yxy	38.4039, 0.3632, 0.2359
Android (android.graphics.Color)	4294931666 (0xFFFF74D2)
YUV	168.2770, 20.5694, 76.0561
Hunter-Lab	61.9709, 61.8624, -19.0624

# Details

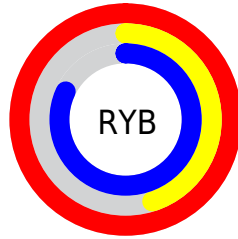
The Yxy color **38.4039, 0.3632, 0.2359** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.8040, 0.2850, 0.4489**, and the grayscale version is **39.1707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **16.9948, 0.3759, 0.2134** is the 20% darker color. If you saturate the color by 10%, you get **32.9051, 0.3764, 0.2229**, and if you desaturate by 10%, it is **45.5259, 0.3510, 0.2515**.

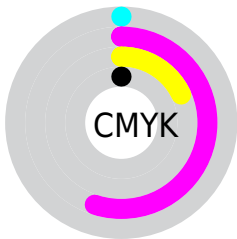
# Distribution



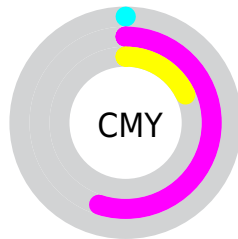
- Red (100%)
- Green (45%)
- Blue (82%)



- Red (100%)
- Yellow (45%)
- Blue (82%)



- Cyan (0%)
- Magenta (55%)
- Yellow (18%)
- Black (0%)




- Cyan (0%)
- Magenta (55%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4039, 0.3632, 0.2359 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 38.4039, 0.3632, 0.2359 by changing the saturation by 10% instead.





 38.4039, 0.3632,  
0.2359


 38.4039, 0.3632,  
0.2359


339.3494, 0.3391,  
0.2798

 26.2963, 0.3688,  
0.2258


 72.7268, 0.3547,  
0.2513

 17.0454, 0.3759,  
0.2132


 95.7109, 0.3515,  
0.2572

 10.2669, 0.3848,  
0.1973


 123.0893, 0.3487,  
0.2623

 5.5763, 0.3966,  
0.1766

155.2464, 0.3463,  
0.2667

 2.5892, 0.4127,  
0.1489

192.5665, 0.3441,  
0.2706

 0.9212, 0.4355,  
0.1109

235.4341, 0.3423,

 0.0000, 0.4982,

0.2740

0.0000

284.2337, 0.3406,  
0.2771

■ 0.0000, 0.5938,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.4039, 0.3632,  
0.2359

■ 38.4039, 0.3632,  
0.2359

■ 32.9051, 0.3764,  
0.2229

■ 45.5259, 0.3510,  
0.2515

■ 28.9099, 0.3904,  
0.2137

■ 54.4079, 0.3401,  
0.2688

■ 26.2551, 0.4047,  
0.2093

■ 65.1535, 0.3306,  
0.2866

■ 24.7468, 0.4186,  
0.2100

■ 77.8630, 0.3224,  
0.3043

■ 24.2559, 0.4261,  
0.2121

■ 92.6293, 0.3155,  
0.3215

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.



38.4039, 0.2637, 0.1980



38.4039, 0.3632, 0.2359



38.4039, 0.4598, 0.2921

# Triad

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



38.4039, 0.3632, 0.2359



38.4039, 0.4236, 0.4911



38.4039, 0.1506, 0.2514

# Complementary

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



38.4039, 0.3632, 0.2359



77.8040, 0.2850, 0.4489

# 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.



38.4039, 0.1794, 0.3463



38.4039, 0.3632, 0.2359



38.4039, 0.3350, 0.5155

# Square

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



38.4039, 0.3632, 0.2359



38.4039, 0.4892, 0.4273



38.4039, 0.2453, 0.4587



38.4039, 0.1558, 0.1998



# Rectangle

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



38.4039, 0.3632, 0.2359



38.4039, 0.4989, 0.3353



38.4039, 0.2453, 0.4587



38.4039, 0.1561, 0.2783

# Sweetspot

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



38.3985, 0.3632, 0.2359



75.8528, 0.3235, 0.3017



27.1793, 0.2368, 0.1660



15.6536, 0.3252, 0.2981



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.



38.3985, 0.3632, 0.2359



32.6796, 0.3771, 0.2224



35.6825, 0.4453, 0.3036



18.1944, 0.3188, 0.3131



12.7028, 0.4239, 0.2109



1.2569, 0.4092, 0.2028



# Inverse Universe

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



38.3985, 0.3632, 0.2359



32.6796, 0.3771, 0.2224



80.9173, 0.2539, 0.3593



18.1944, 0.3188, 0.3131



12.7028, 0.4239, 0.2109

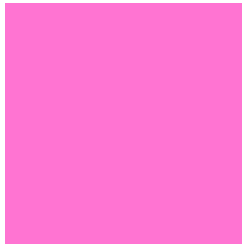


1.2569, 0.4092, 0.2028



# Previews

## White Background



This preview shows how the Yxy color 38.4039, 0.3632, 0.2359 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

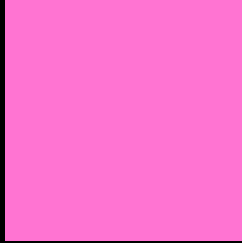
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.4039, 0.3632, 0.2359 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

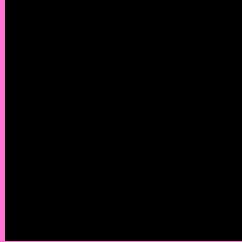
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.4039, 0.3632, 0.2359**

## Background



This preview shows how black text looks on a background with the Yxy color 38.4039, 0.3632, 0.2359.

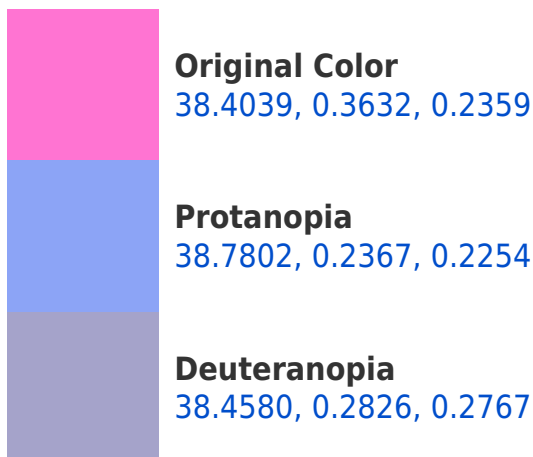


This preview shows how white text looks on a background with the Yxy color 38.4039, 0.3632, 0.2359.

# 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

38.3821, 0.4313, 0.3198

# Trichromacy



## Original Color

38.4039, 0.3632, 0.2359



## Protanomaly

36.6957, 0.2727, 0.2252



## Deuteranomaly

36.9713, 0.3094, 0.2566



## Tritanomaly

38.1841, 0.4073, 0.2873

# Monochromacy



## Original Color

38.4039, 0.3632, 0.2359



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

37.1931, 0.3316, 0.2861

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.4039, 0.3632, 0.2359 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, 116, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 210)  
}
```

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, 116, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 38.4039, 0.3632, 0.2359 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, 116, 210) }
```

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

```
.border{ border-color:rgb(255, 116, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.4039, 0.3632, 0.2359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 210) }
```

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

```
.background{ background-color: rgb(255,  
116, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor