

# Converting Colors

$Y_{xy}(45.1644, 0.4381, 0.2553)$

Have a look what the booklet for  
Yxy(45.1644, 0.4381, 0.2553)  
contains.

<b>Yxy(33.6152, 0.3873, 0.2366)</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(33.6152, 0.3873, 0.2366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF61C0
RGB	255, 97, 192
RGB Percent	100%, 38%, 75%
CMY	0.0000, 0.6195, 0.2472
CMYK	0.00, 0.62, 0.25, 0.00
HSL	324°, 100%, 69%
HSV	324°, 62%, 100%
XYZ	55.0261, 33.6152, 53.4348
YIQ	155.0720, 63.6730, 63.0410

# Conversions

## Conversions Part 2

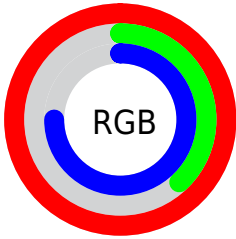
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 97, 192
Decimal	16736704
CIE <sub>Lab</sub>	64.66, 69.07, -18.69
CIE <sub>LCh</sub>	65, 71.552, 344.855
Yxy	33.6152, 0.3873, 0.2366
Android (android.graphics.Color)	4294926784 (0xFFFF61C0)
YUV	155.0720, 18.2055, 87.6369
Hunter-Lab	57.9786, 67.9473, -14.0584

# Details

The Yxy color **33.6152, 0.3873, 0.2366** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.6023, 0.2780, 0.4526**, and the grayscale version is **32.7107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4800, 0.3230, 0.2378**, and **14.3656, 0.4095, 0.2135** is the 20% darker color. If you saturate the color by 10%, you get **29.2011, 0.4052, 0.2278**, and if you desaturate by 10%, it is **39.5771, 0.3707, 0.2489**.

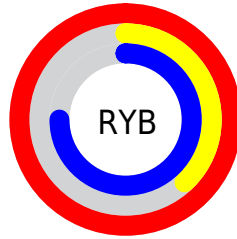
# Distribution



Red (100%)

Green (38%)

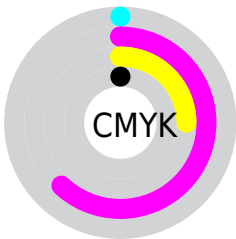
Blue (75%)



Red (100%)

Yellow (38%)

Blue (75%)

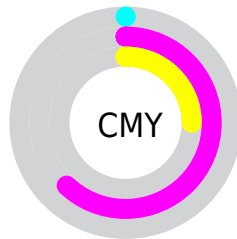


Cyan (0%)

Magenta (62%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (62%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6152, 0.3873, 0.2366 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 33.6152, 0.3873, 0.2366 by changing the saturation by 10% instead.





 33.6152, 0.3873,  
0.2366


 33.6152, 0.3873,  
0.2366


318.4128, 0.3501,  
0.2814


 22.5981, 0.3965,  
0.2259


 65.3348, 0.3738,  
0.2525

 14.2971, 0.4083,  
0.2126

 86.8062, 0.3687,  
0.2586

 8.3276, 0.4237,  
0.1955


 112.5311, 0.3644,  
0.2638

 4.3053, 0.4449,  
0.1728

 142.8940, 0.3607,  
0.2683

 1.8457, 0.4755,  
0.1417

178.2792, 0.3575,  
0.2722

 0.5154, 0.5272,  
0.0904

219.0711, 0.3547,

 0.0000, 0.6357,

0.2756

0.0000

265.6542, 0.3523,  
0.2787

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

33.6152, 0.3873,  
0.2366

33.6152, 0.3873,  
0.2366

29.2011, 0.4052,  
0.2278

39.5771, 0.3707,  
0.2489

26.1790, 0.4239,  
0.2236


47.2143, 0.3557,  
0.2634

24.3674, 0.4424,  
0.2247

56.6458, 0.3427,  
0.2792

23.5682, 0.4569,  
0.2290

67.9784, 0.3315,  
0.2952

 81.3107, 0.3220,  
0.3110

 96.7342, 0.3141,  
0.3261

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.



33.6152, 0.2748, 0.1925



33.6152, 0.3873, 0.2366



33.6152, 0.4889, 0.2985

# Triad

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



33.6152, 0.3873, 0.2366



33.6152, 0.4151, 0.5138



33.6152, 0.1362, 0.2300

# Complementary

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



33.6152, 0.3873, 0.2366



76.6023, 0.2780, 0.4526

# 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.



33.6152, 0.1593, 0.3260



33.6152, 0.3873, 0.2366



33.6152, 0.3170, 0.5339

# Square

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



33.6152, 0.3873, 0.2366



33.6152, 0.4941, 0.4442



33.6152, 0.2228, 0.4555



33.6152, 0.1476, 0.1833



# Rectangle

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



33.6152, 0.3873, 0.2366



33.6152, 0.5233, 0.3447



33.6152, 0.2228, 0.4555



33.6152, 0.1397, 0.2561

# Sweetspot

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



33.6166, 0.3873, 0.2366



71.7047, 0.3285, 0.3000



22.9988, 0.2323, 0.1470



14.5749, 0.3314, 0.2954



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.



33.6166, 0.3873, 0.2366



28.4749, 0.4090, 0.2265



31.0606, 0.4889, 0.3122



18.1704, 0.3200, 0.3148



12.3452, 0.4540, 0.2275



1.2236, 0.4346, 0.2168



# Inverse Universe

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



33.6166, 0.3873, 0.2366



28.4749, 0.4090, 0.2265



80.1515, 0.2448, 0.3510



18.1704, 0.3200, 0.3148



12.3452, 0.4540, 0.2275

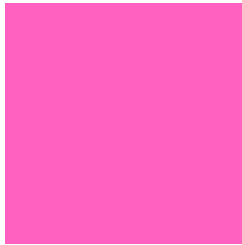


1.2236, 0.4346, 0.2168



# Previews

## White Background



This preview shows how the Yxy color 33.6152, 0.3873, 0.2366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

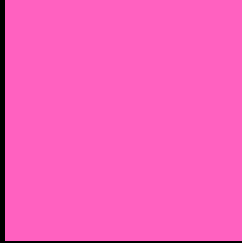
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.6152, 0.3873, 0.2366 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

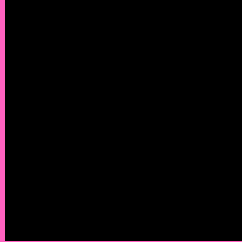
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.6152, 0.3873, 0.2366**

## Background



This preview shows how black text looks on a background with the Yxy color 33.6152, 0.3873, 0.2366.



This preview shows how white text looks on a background with the Yxy color 33.6152, 0.3873, 0.2366.

# 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

33.6152, 0.3873, 0.2366

### Protanopia

34.1290, 0.2347, 0.2239

### Deuteranopia

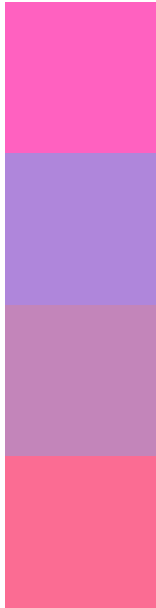
33.6749, 0.2928, 0.2864



## Tritanopia

33.5795, 0.4650, 0.3213

# Trichromacy



**Original Color**

33.6152, 0.3873, 0.2366

**Protanomaly**

31.2786, 0.2760, 0.2214

**Deuteranomaly**

31.9223, 0.3253, 0.2612

**Tritanomaly**

33.3409, 0.4379, 0.2896

# Monochromacy



**Original Color**

33.6152, 0.3873, 0.2366

**Achromatopsia**

32.7778, 0.3127, 0.3290

**Achromatomaly**

30.9537, 0.3399, 0.2837

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.6152, 0.3873, 0.2366 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, 97, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 192)  
}
```

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, 97, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 33.6152, 0.3873, 0.2366 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, 97, 192) }
```

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

```
.border{ border-color:rgb(255, 97, 192) }
```

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

Here you see how a box with a 4 pixel rgb(255, 97, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.6152, 0.3873, 0.2366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 192) }
```

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

```
.background{ background-color: rgb(255, 97,  
192) }
```

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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