

# Converting Colors

Yxy(34.3064, 0.3937, 0.2462)

Have a look what the booklet for  
Yxy(34.3064, 0.3937, 0.2462)  
contains.

<b>Yxy(34.3079, 0.3937, 0.2462)</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(34.3079, 0.3937, 0.2462)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF66BA
RGB	255, 102, 186
RGB Percent	100%, 40%, 73%
CMY	0.0000, 0.6001, 0.2706
CMYK	0.00, 0.60, 0.27, 0.00
HSL	327°, 100%, 70%
HSV	327°, 60%, 100%
XYZ	54.8620, 34.3079, 50.1798
YIQ	157.3230, 64.2240, 58.5600

# Conversions

## Conversions Part 2

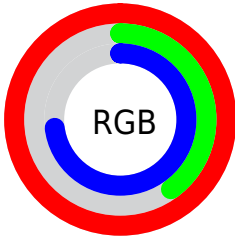
Format	Color
R <sub>Y</sub> B	255, 102, 186
Decimal	16737978
CIE Lab	65.21, 66.28, -14.47
CIE LCh	65, 67.843, 347.681
Yxy	34.3079, 0.3937, 0.2462
Android (android.graphics.Color)	4294928058 (0xFFFF66BA)
YUV	157.3230, 14.1378, 85.6627
Hunter-Lab	58.5729, 64.6883, -9.7931

# Details

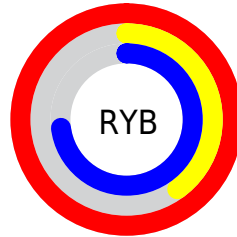
The Yxy color **34.3079, 0.3937, 0.2462** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.2835, 0.2749, 0.4372**, and the grayscale version is **33.7767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4671, 0.3277, 0.2468**, and **14.7466, 0.4174, 0.2241** is the 20% darker color. If you saturate the color by 10%, you get **29.5705, 0.4143, 0.2377**, and if you desaturate by 10%, it is **40.6169, 0.3748, 0.2579**.

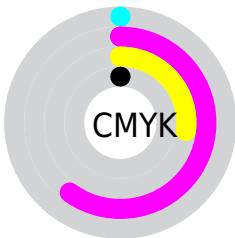
# Distribution



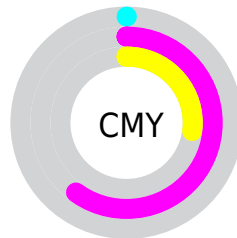
- Red (100%)
- Green (40%)
- Blue (73%)



- Red (100%)
- Yellow (40%)
- Blue (73%)



- Cyan (0%)
- Magenta (60%)
- Yellow (27%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.3079, 0.3937, 0.2462 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 34.3079, 0.3937, 0.2462 by changing the saturation by 10% instead.




 34.3079, 0.3937,  
0.2462


 34.3079, 0.3937,  
0.2462


321.5028, 0.3528,  
0.2868

 23.1302, 0.4040,  
0.2364


 66.4122, 0.3788,  
0.2607


 14.6897, 0.4172,  
0.2241


 88.1076, 0.3732,  
0.2662

 8.6019, 0.4347,  
0.2080


 114.0777, 0.3685,  
0.2709

 4.4824, 0.4591,  
0.1866

 144.7070, 0.3644,  
0.2750

 1.9469, 0.4950,  
0.1566

180.3797, 0.3609,  
0.2785

 0.5764, 0.5555,  
0.1074

221.4803, 0.3579,

 0.0000, 0.7249,

0.2816

0.0000

268.3932, 0.3552,  
0.2843

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

34.3079, 0.3937,  
0.2462

34.3079, 0.3937,  
0.2462

29.5705, 0.4143,  
0.2377

40.6169, 0.3748,  
0.2579

26.2700, 0.4361,  
0.2336

48.6391, 0.3581,  
0.2716

24.2264, 0.4579,  
0.2349

58.4857, 0.3437,  
0.2862

23.1535, 0.4790,  
0.2412

70.2621, 0.3315,  
0.3009

 84.0656, 0.3212,  
0.3153

99.9869, 0.3127,  
0.3290

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.



34.3079, 0.2864, 0.2016



34.3079, 0.3937, 0.2462



34.3079, 0.4854, 0.3072

# Triad

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



34.3079, 0.3937, 0.2462



34.3079, 0.4038, 0.5096



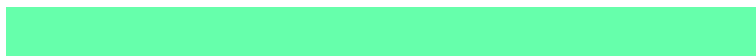
34.3079, 0.1435, 0.2297

# Complementary

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



34.3079, 0.3937, 0.2462



77.2835, 0.2749, 0.4372

# 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.



34.3079, 0.1631, 0.3166



34.3079, 0.3937, 0.2462



34.3079, 0.3095, 0.5180

# Square

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



34.3079, 0.3937, 0.2462



34.3079, 0.4808, 0.4480



34.3079, 0.2210, 0.4365



34.3079, 0.1574, 0.1880



# Rectangle

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



34.3079, 0.3937, 0.2462



34.3079, 0.5139, 0.3524



34.3079, 0.2210, 0.4365



34.3079, 0.1461, 0.2533

# Sweetspot

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



34.3037, 0.3937, 0.2462



72.8678, 0.3293, 0.3039



25.3588, 0.2437, 0.1562



14.7941, 0.3325, 0.2996



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.



34.3037, 0.3937, 0.2462



28.8038, 0.4186, 0.2365



31.8767, 0.4933, 0.3223



18.1540, 0.3208, 0.3160



12.1287, 0.4757, 0.2394



1.2030, 0.4531, 0.2270



# Inverse Universe

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



34.3037, 0.3937, 0.2462



28.8038, 0.4186, 0.2365



81.0806, 0.2420, 0.3378



18.1540, 0.3208, 0.3160



12.1287, 0.4757, 0.2394

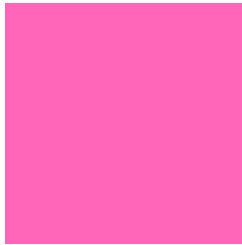


1.2030, 0.4531, 0.2270



# Previews

## White Background



This preview shows how the Yxy color 34.3079, 0.3937, 0.2462 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

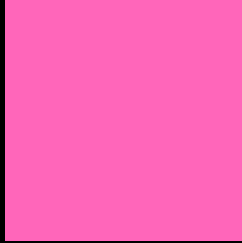
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.3079, 0.3937, 0.2462 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

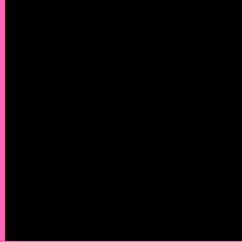
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.3079, 0.3937, 0.2462**

## Background



This preview shows how black text looks on a background with the Yxy color 34.3079, 0.3937, 0.2462.



This preview shows how white text looks on a background with the Yxy color 34.3079, 0.3937, 0.2462.

# 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

34.3079, 0.3937, 0.2462

### Protanopia

34.4771, 0.2452, 0.2371

### Deuteranopia

34.3249, 0.3018, 0.2951



## Tritanopia

34.2700, 0.4623, 0.3213

# Trichromacy



## Original Color

34.3079, 0.3937, 0.2462



## Protanomaly

31.9648, 0.2880, 0.2345



## Deuteranomaly

32.6699, 0.3334, 0.2703



## Tritanomaly

34.1709, 0.4376, 0.2926

# Monochromacy



## Original Color

34.3079, 0.3937, 0.2462



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

32.0559, 0.3415, 0.2880

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.3079, 0.3937, 0.2462 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, 102, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 186)  
}
```

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, 102, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 34.3079, 0.3937, 0.2462 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, 102, 186) }
```

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

```
.border{ border-color:rgb(255, 102, 186) }
```

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

Here you see how a box with a 4 pixel rgb(255, 102, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.3079, 0.3937, 0.2462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 186) }
```

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

```
.background{ background-color: rgb(255,  
102, 186) }
```

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