

# Converting Colors

$Y_{xy}(40.0821, 0.3590, 0.2388)$

Have a look what the booklet for  
Yxy(40.0821, 0.3590, 0.2388)  
contains.

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# Color

**Yxy(39.9832, 0.3591, 0.2384)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7AD5
RGB	255, 122, 213
RGB Percent	100%, 48%, 84%
CMY	0.0000, 0.5217, 0.1646
CMYK	0.00, 0.52, 0.16, 0.00
HSL	319°, 100%, 74%
HSV	319°, 52%, 100%
XYZ	60.2264, 39.9832, 67.5052
YIQ	172.1410, 50.0570, 56.4970

# Conversions

## Conversions Part 2

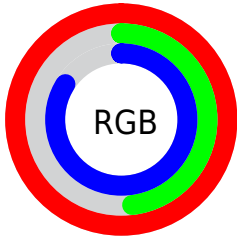
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 122, 213
Decimal	16743125
CIE <sub>Lab</sub>	69.46, 61.11, -23.20
CIE <sub>LCh</sub>	69, 65.360, 339.211
Yxy	39.9832, 0.3591, 0.2384
Android (android.graphics.Color)	4294933205 (0xFFFF7AD5)
YUV	172.1410, 20.1435, 72.6673
Hunter-Lab	63.2323, 59.3581, -19.0339

# Details

The Yxy color **39.9832, 0.3591, 0.2384** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.3331, 0.2862, 0.4442**, and the grayscale version is **41.1954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7202, 0.3162, 0.2546**, and **17.9850, 0.3714, 0.2167** is the 20% darker color. If you saturate the color by 10%, you get **34.1166, 0.3717, 0.2245**, and if you desaturate by 10%, it is **47.4952, 0.3475, 0.2547**.

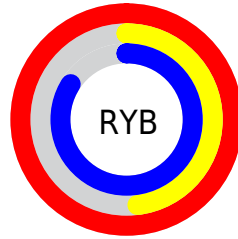
# Distribution



Red (100%)

Green (48%)

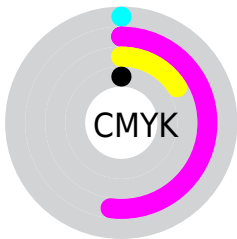
Blue (84%)



Red (100%)

Yellow (48%)

Blue (84%)

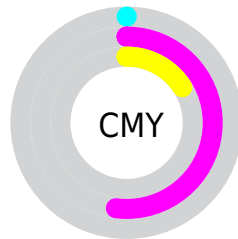


Cyan (0%)

Magenta (52%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (52%)


Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9832, 0.3591, 0.2384 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 39.9832, 0.3591, 0.2384 by changing the saturation by 10% instead.





 39.9832, 0.3591,  
0.2384


 39.9832, 0.3591,  
0.2384


346.0528, 0.3372,  
0.2810

 27.5254, 0.3642,  
0.2286


 75.1379, 0.3514,  
0.2533

 17.9682, 0.3705,  
0.2165


 98.6037, 0.3484,  
0.2590

 10.9272, 0.3785,  
0.2012


 126.5076, 0.3459,  
0.2640

 6.0179, 0.3890,  
0.1813

159.2340, 0.3437,  
0.2683

 2.8560, 0.4032,  
0.1547

197.1673, 0.3418,  
0.2720

 1.0570, 0.4232,  
0.1180

240.6920, 0.3400,

 0.0000, 0.4845,

0.2754

0.0000

290.1923, 0.3385,  
0.2783

■ 0.0000, 0.5214,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.9832, 0.3591,  
0.2384

■ 39.9832, 0.3591,  
0.2384

■ 34.1166, 0.3717,  
0.2245

■ 47.4952, 0.3475,  
0.2547

■ 29.7893, 0.3852,  
0.2142

■ 56.7958, 0.3372,  
0.2723

■ 26.8410, 0.3990,  
0.2085

■ 67.9832, 0.3282,  
0.2903

■ 25.0882, 0.4126,  
0.2078

■ 81.1558, 0.3205,  
0.3082

■ 24.3367, 0.4229,  
0.2103

■ 96.4051, 0.3140,  
0.3254

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.



39.9832, 0.2642, 0.2021



39.9832, 0.3591, 0.2384



39.9832, 0.4516, 0.2928

# Triad

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



39.9832, 0.3591, 0.2384



39.9832, 0.4221, 0.4842



39.9832, 0.1566, 0.2567

# Complementary

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



39.9832, 0.3591, 0.2384



78.3331, 0.2862, 0.4442

# 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.



39.9832, 0.1858, 0.3483



39.9832, 0.3591, 0.2384



39.9832, 0.3371, 0.5069

# Square

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



39.9832, 0.3591, 0.2384



39.9832, 0.4837, 0.4237



39.9832, 0.2504, 0.4540



39.9832, 0.1607, 0.2056



# Rectangle

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



39.9832, 0.3591, 0.2384



39.9832, 0.4900, 0.3347



39.9832, 0.2504, 0.4540



39.9832, 0.1624, 0.2830

# Sweetspot

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



39.9746, 0.3590, 0.2384



75.8727, 0.3233, 0.3014



28.7978, 0.2392, 0.1727



15.6584, 0.3249, 0.2977



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.



39.9746, 0.3590, 0.2384



33.7020, 0.3728, 0.2235



37.3258, 0.4337, 0.3021



18.1971, 0.3187, 0.3129



12.7447, 0.4208, 0.2092



1.2607, 0.4065, 0.2013



# Inverse Universe

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



39.9746, 0.3590, 0.2384



33.7020, 0.3728, 0.2235



81.2780, 0.2566, 0.3605



18.1971, 0.3187, 0.3129



12.7447, 0.4208, 0.2092



1.2607, 0.4065, 0.2013



# Previews

## White Background



This preview shows how the Yxy color 39.9832, 0.3591, 0.2384 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

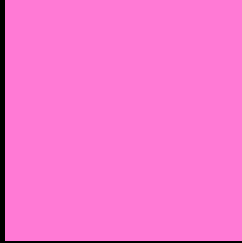
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.9832, 0.3591, 0.2384 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

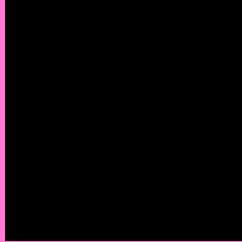
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.9832, 0.3591, 0.2384**

## Background



This preview shows how black text looks on a background with the Yxy color 39.9832, 0.3591, 0.2384.



This preview shows how white text looks on a background with the Yxy color 39.9832, 0.3591, 0.2384.

# 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

39.9832, 0.3591, 0.2384

### Protanopia

40.2821, 0.2393, 0.2290

### Deuteranopia

40.1637, 0.2832, 0.2765



## Tritanopia

39.9544, 0.4220, 0.3186

# Trichromacy



## Original Color

39.9832, 0.3591, 0.2384



## Protanomaly

38.3217, 0.2732, 0.2285



## Deuteranomaly

38.6955, 0.3076, 0.2575



## Tritanomaly

39.9520, 0.3994, 0.2881

# Monochromacy



## Original Color

39.9832, 0.3591, 0.2384



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

39.2556, 0.3291, 0.2879

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.9832, 0.3591, 0.2384 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 39.9832, 0.3591, 0.2384 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, 213) }
```

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

```
.border{ border-color:rgb(255, 122, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.9832, 0.3591, 0.2384 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, 213) }
```

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

```
.background{ background-color: rgb(255,  
122, 213) }
```

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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