

# Converting Colors

$Y_{xy}(32.0206, 0.3809, 0.2224)$

Have a look what the booklet for  
Yxy(32.0206, 0.3809, 0.2224)  
contains.

<b>Yxy(32.0391, 0.3805, 0.2221)</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(32.0391, 0.3805, 0.2221)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF56C7
RGB	255, 86, 199
RGB Percent	100%, 34%, 78%
CMY	0.0000, 0.6629, 0.2196
CMYK	0.00, 0.66, 0.22, 0.00
HSL	320°, 100%, 67%
HSV	320°, 66%, 100%
XYZ	54.8891, 32.0391, 57.3271
YIQ	149.4130, 64.4510, 70.9710

# Conversions

## Conversions Part 2

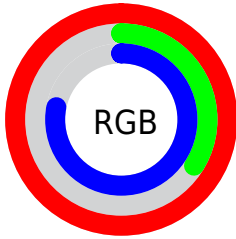
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 86, 199
Decimal	16733895
CIE Lab	63.38, 74.24, -24.64
CIE LCh	63, 78.225, 341.638
Yxy	32.0391, 0.3805, 0.2221
Android (android.graphics.Color)	4294923975 (0xFFFF56C7)
YUV	149.4130, 24.4464, 92.5998
Hunter-Lab	56.6031, 74.0396, -20.4262

# Details

The Yxy color **32.0391, 0.3805, 0.2221** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **75.4478, 0.2820, 0.4784**, and the grayscale version is **30.1005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0378, 0.3176, 0.2239**, and **13.5137, 0.3975, 0.1963** is the 20% darker color. If you saturate the color by 10%, you get **28.2818, 0.3949, 0.2138**, and if you desaturate by 10%, it is **37.2557, 0.3666, 0.2343**.

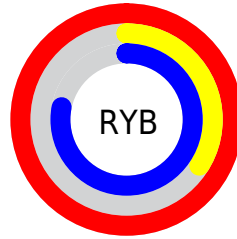
# Distribution



Red (100%)

Green (34%)

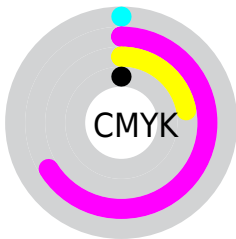
Blue (78%)



Red (100%)

Yellow (34%)

Blue (78%)

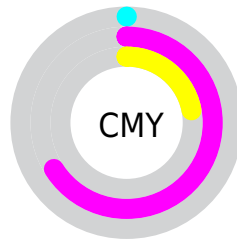


Cyan (0%)

Magenta (66%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (66%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.0391, 0.3805, 0.2221 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 32.0391, 0.3805, 0.2221 by changing the saturation by 10% instead.





 32.0391, 0.3805,  
0.2221


 32.0391, 0.3805,  
0.2221


311.2973, 0.3473,  
0.2733


 21.3914, 0.3885,  
0.2101


 62.8724, 0.3686,  
0.2401

 13.4104, 0.3986,  
0.1953


 83.8267, 0.3641,  
0.2470

 7.7117, 0.4116,  
0.1765


 108.9854, 0.3603,  
0.2530

 3.9111, 0.4290,  
0.1520

 138.7328, 0.3570,  
0.2581

 1.6239, 0.4533,  
0.1195

173.4532, 0.3541,  
0.2626

 0.3737, 0.4958,  
0.0621

213.5312, 0.3516,

 0.0000, 0.5535,

0.2666

0.0000

259.3511, 0.3493,  
0.2701

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

32.0391, 0.3805,  
0.2221

32.0391, 0.3805,  
0.2221

28.2818, 0.3949,  
0.2138

37.2557, 0.3666,  
0.2343

25.8415, 0.4096,  
0.2105

44.0913, 0.3539,  
0.2494


24.5082, 0.4239,  
0.2122

52.6620, 0.3425,  
0.2663

24.1825, 0.4291,  
0.2138

63.0787, 0.3326,  
0.2839

 75.4431, 0.3240,  
0.3015

 89.8493, 0.3167,  
0.3186

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.



32.0391, 0.2586, 0.1780



32.0391, 0.3805, 0.2221



32.0391, 0.4984, 0.2860

# Triad

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



32.0391, 0.3805, 0.2221



32.0391, 0.4301, 0.5214



32.0391, 0.1231, 0.2272

# Complementary

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



32.0391, 0.3805, 0.2221



75.4478, 0.2820, 0.4784

# 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.



32.0391, 0.1503, 0.3384



32.0391, 0.3805, 0.2221



32.0391, 0.3249, 0.5604

# Square

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



32.0391, 0.3805, 0.2221



32.0391, 0.5147, 0.4395



32.0391, 0.2219, 0.4863



32.0391, 0.1320, 0.1737



# Rectangle

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



32.0391, 0.3805, 0.2221



32.0391, 0.5412, 0.3340



32.0391, 0.2219, 0.4863



32.0391, 0.1277, 0.2572

# Sweetspot

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



32.0322, 0.3805, 0.2221



70.6251, 0.3270, 0.2950



19.3994, 0.2167, 0.1309



14.3744, 0.3294, 0.2901



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.



32.0322, 0.3805, 0.2221



27.2338, 0.4004, 0.2120



29.1916, 0.4930, 0.3013



18.1920, 0.3189, 0.3132



12.6647, 0.4269, 0.2125



1.2534, 0.4116, 0.2041



# Inverse Universe

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



32.0322, 0.3805, 0.2221



27.2338, 0.4004, 0.2120



78.8786, 0.2469, 0.3671



18.1920, 0.3189, 0.3132



12.6647, 0.4269, 0.2125



1.2534, 0.4116, 0.2041



# Previews

## White Background



This preview shows how the Yxy color 32.0391, 0.3805, 0.2221 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

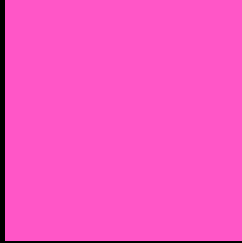
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 32.0391, 0.3805, 0.2221 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

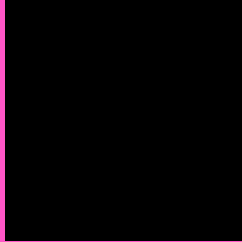
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 32.0391, 0.3805, 0.2221**

## **Background**



This preview shows how black text looks on a background with the Yxy color 32.0391, 0.3805, 0.2221.



This preview shows how white text looks on a background with the Yxy color 32.0391, 0.3805, 0.2221.

# 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

32.0391, 0.3805, 0.2221

### Protanopia

32.6176, 0.2176, 0.2014

### Deuteranopia

31.9708, 0.2787, 0.2727



## Tritanopia

31.9425, 0.4753, 0.3215

# Trichromacy



## Original Color

32.0391, 0.3805, 0.2221



## Protanomaly

29.0553, 0.2585, 0.1990



## Deuteranomaly

29.7204, 0.3114, 0.2439



## Tritanomaly

31.6989, 0.4425, 0.2832

# Monochromacy



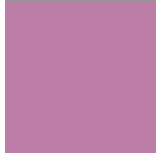
## Original Color

32.0391, 0.3805, 0.2221



## Achromatopsia

30.0544, 0.3127, 0.3290



## Achromatomaly

28.4031, 0.3390, 0.2737

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.0391, 0.3805, 0.2221 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, 86, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 199)  
}
```

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, 86, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 32.0391, 0.3805, 0.2221 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, 86, 199) }
```

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

```
.border{ border-color:rgb(255, 86, 199) }
```

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

Here you see how a box with a 4 pixel rgb(255, 86, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.0391, 0.3805, 0.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 199) }
```

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

```
.background{ background-color: rgb(255, 86,  
199) }
```

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