

Converting Colors

$Y_{xy}(74.7359, 0.5085, 0.2821)$

Have a look what the booklet for
Yxy(74.7359, 0.5085, 0.2821)
contains.

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Color

Yxy(33.4835, 0.3910, 0.2393)

Conversions

Conversions Part 1

Format	Color
Hex	FF61BD
RGB	255, 97, 189
RGB Percent	100%, 38%, 74%
CMY	0.0000, 0.6197, 0.2588
CMYK	0.00, 0.62, 0.26, 0.00
HSL	325°, 100%, 69%
HSV	325°, 62%, 100%
XYZ	54.7098, 33.4835, 51.7294
YIQ	154.7300, 64.6360, 62.1080

Conversions

Conversions Part 2

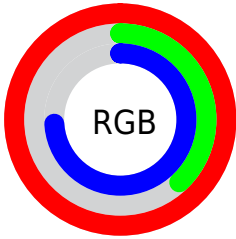
Format	Color
R _Y B	255, 97, 189
Decimal	16736701
CIE Lab	64.55, 68.72, -17.18
CIE LCh	65, 70.836, 345.965
Yxy	33.4835, 0.3910, 0.2393
Android (android.graphics.Color)	4294926781 (0xFFFF61BD)
YUV	154.7300, 16.8951, 87.9368
Hunter-Lab	57.8649, 67.5034, -12.4979

Details

The Yxy color **33.4835, 0.3910, 0.2393** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.7029, 0.2767, 0.4487**, and the grayscale version is **32.5480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2953, 0.3255, 0.2404**, and **14.1755, 0.4119, 0.2150** is the 20% darker color. If you saturate the color by 10%, you get **29.0558, 0.4100, 0.2309**, and if you desaturate by 10%, it is **39.4497, 0.3734, 0.2512**.

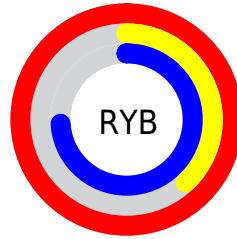
Distribution



Red (100%)

Green (38%)

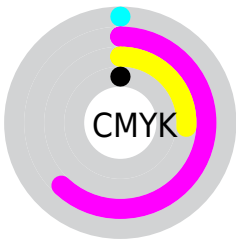
Blue (74%)



Red (100%)

Yellow (38%)

Blue (74%)

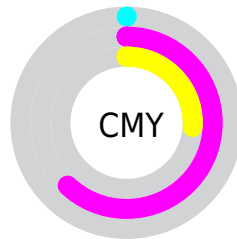


Cyan (0%)

Magenta (62%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (62%)

Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4835, 0.3910, 0.2393 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 33.4835, 0.3910, 0.2393 by changing the saturation by 10% instead.


 33.4835, 0.3910,
0.2393


 33.4835, 0.3910,
0.2393

317.8228, 0.3517,
0.2830

 22.4971, 0.4008,
0.2288


 65.1297, 0.3767,
0.2549


 14.2226, 0.4134,
0.2157


 86.5582, 0.3713,
0.2608

 8.2757, 0.4300,
0.1988


 112.2362, 0.3668,
0.2659

 4.2718, 0.4529,
0.1762

 142.5482, 0.3629,
0.2702

 1.8268, 0.4863,
0.1451

177.8784, 0.3595,
0.2740

 0.5038, 0.5435,
0.0925

218.6113, 0.3566,

 0.0000, 0.6754,

0.2774

0.0000

265.1313, 0.3540,
0.2803

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.4835, 0.3910,
0.2393

■ 33.4835, 0.3910,
0.2393

■ 29.0558, 0.4100,
0.2309

■ 39.4497, 0.3734,
0.2512

■ 26.0284, 0.4297,
0.2271


■ 47.0998, 0.3577,
0.2653


■ 24.2137, 0.4494,
0.2287

■ 56.5469, 0.3440,
0.2806

■ 23.4145, 0.4647,
0.2334

■ 67.8981, 0.3323,
0.2962

 81.2518, 0.3224,
0.3116

 96.6999, 0.3142,
0.3262

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.



33.4835, 0.2789, 0.1946



33.4835, 0.3910, 0.2393



33.4835, 0.4902, 0.3013

Triad

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



33.4835, 0.3910, 0.2393



33.4835, 0.4113, 0.5146



33.4835, 0.1371, 0.2283

Complementary

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



33.4835, 0.3910, 0.2393



76.7029, 0.2767, 0.4487

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.



33.4835, 0.1588, 0.3217



33.4835, 0.3910, 0.2393



33.4835, 0.3136, 0.5310

Square

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



33.4835, 0.3910, 0.2393



33.4835, 0.4907, 0.4466



33.4835, 0.2206, 0.4498



33.4835, 0.1497, 0.1834

Rectangle

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



33.4835, 0.3910, 0.2393



33.4835, 0.5224, 0.3475



33.4835, 0.2206, 0.4498



33.4835, 0.1403, 0.2536

Sweetspot

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



33.4790, 0.3910, 0.2393



71.6527, 0.3292, 0.3008



23.5316, 0.2365, 0.1488



14.5623, 0.3322, 0.2964



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.



33.4790, 0.3910, 0.2393



28.3342, 0.4140, 0.2297



30.9332, 0.4958, 0.3173



18.1645, 0.3203, 0.3152



12.2651, 0.4617, 0.2317



1.2160, 0.4412, 0.2204

Inverse Universe

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



33.4790, 0.3910, 0.2393



28.3342, 0.4140, 0.2297



80.4606, 0.2427, 0.3445



18.1645, 0.3203, 0.3152



12.2651, 0.4617, 0.2317



1.2160, 0.4412, 0.2204

Previews

White Background



This preview shows how the Yxy color 33.4835, 0.3910, 0.2393 looks on a white background.

Color Contrast Check

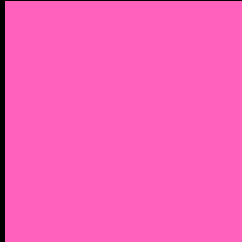
Large Text (above 18pt) WCAG AA × Fail

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 33.4835, 0.3910, 0.2393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

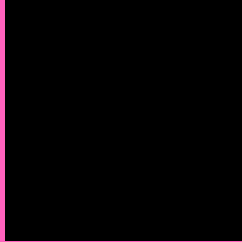
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4835, 0.3910, 0.2393

Background



This preview shows how black text looks on a background with the Yxy color 33.4835, 0.3910, 0.2393.



This preview shows how white text looks on a background with the Yxy color 33.4835, 0.3910, 0.2393.

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

33.4835, 0.3910, 0.2393

Protanopia

33.7863, 0.2374, 0.2259

Deuteranopia

33.6548, 0.2963, 0.2905



Tritanopia

33.3305, 0.4668, 0.3213

Trichromacy



Original Color

33.4835, 0.3910, 0.2393



Protanomaly

31.0800, 0.2801, 0.2237



Deuteranomaly

31.7961, 0.3284, 0.2648



Tritanomaly

33.0999, 0.4396, 0.2897

Monochromacy



Original Color

33.4835, 0.3910, 0.2393



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

30.9166, 0.3409, 0.2850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4835, 0.3910, 0.2393 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 189) }
```

Border

The CSS property to change the border of an element to Yxy 33.4835, 0.3910, 0.2393 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, 189) }
```

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

```
.border{ border-color:rgb(255, 97, 189) }
```

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, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4835, 0.3910, 0.2393 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, 189) }
```

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

```
.background{ background-color: rgb(255, 97,  
189) }
```

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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