

Converting Colors

$Yxy(38.8588, 0.3874, 0.2391)$

Have a look what the booklet for
Yxy(38.8588, 0.3874, 0.2391)
contains.

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Color

Yxy(35.8799, 0.3725, 0.2338)

Conversions

Conversions Part 1

Format	Color
Hex	FF6ACB
RGB	255, 106, 203
RGB Percent	100%, 42%, 80%
CMY	0.0001, 0.5842, 0.2039
CMYK	0.00, 0.58, 0.20, 0.00
HSL	321°, 100%, 71%
HSV	321°, 58%, 100%
XYZ	57.1654, 35.8799, 60.4188
YIQ	161.6090, 57.6670, 61.7550

Conversions

Conversions Part 2

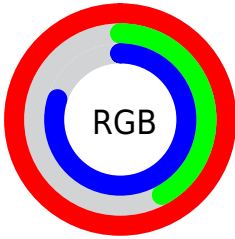
Format	Color
R _Y B	255, 106, 203
Decimal	16739019
CIE Lab	66.43, 66.76, -22.23
CIE LCh	66, 70.365, 341.582
Yxy	35.8799, 0.3725, 0.2338
Android (android.graphics.Color)	4294929099 (0xFFFF6ACB)
YUV	161.6090, 20.4058, 81.9039
Hunter-Lab	59.8998, 65.5267, -17.8738

Details

The Yxy color **35.8799, 0.3725, 0.2338** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.0338, 0.2823, 0.4542**, and the grayscale version is **35.8274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6744, 0.3169, 0.2394**, and **15.5734, 0.3879, 0.2095** is the 20% darker color. If you saturate the color by 10%, you get **30.9707, 0.3874, 0.2226**, and if you desaturate by 10%, it is **42.3787, 0.3587, 0.2481**.

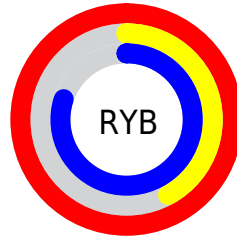
Distribution



Red (100%)

Green (42%)

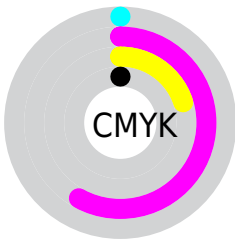
Blue (80%)



Red (100%)

Yellow (42%)

Blue (80%)

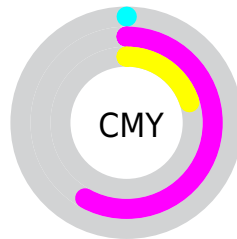


Cyan (0%)

Magenta (58%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8799, 0.3725, 0.2338 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 35.8799, 0.3725, 0.2338 by changing the saturation by 10% instead.


 35.8799, 0.3725,
0.2338


 35.8799, 0.3725,
0.2338

328.4353, 0.3435,
0.2792

 24.3415, 0.3795,
0.2232


 68.8467, 0.3622,
0.2497

 15.5871, 0.3882,
0.2101


 91.0438, 0.3582,
0.2559

 9.2325, 0.3995,
0.1933


 117.5625, 0.3548,
0.2612

 4.8931, 0.4146,
0.1715

 148.7874, 0.3519,
0.2657

 2.1847, 0.4356,
0.1421

185.1027, 0.3494,
0.2697

 0.7116, 0.4672,
0.1002

226.8928, 0.3472,

 0.0000, 0.5391,

0.2732

0.0000

274.5422, 0.3452,
0.2764

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8799, 0.3725,
0.2338

■ 35.8799, 0.3725,
0.2338

■ 30.9707, 0.3874,
0.2226

■ 42.3787, 0.3587,
0.2481

■ 27.5024, 0.4029,
0.2157

■ 50.5877, 0.3464,
0.2642


■ 25.3070, 0.4186,
0.2138

■ 60.6219, 0.3356,
0.2814

■ 24.1477, 0.4338,
0.2169

■ 72.5847, 0.3263,
0.2986

 24.0076, 0.4362,
0.2177

 86.5719, 0.3184,
0.3154

99.9938, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.8799, 0.2658, 0.1931



35.8799, 0.3725, 0.2338



35.8799, 0.4740, 0.2930

Triad

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



35.8799, 0.3725, 0.2338



35.8799, 0.4228, 0.5025



35.8799, 0.1419, 0.2415

Complementary

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



35.8799, 0.3725, 0.2338



77.0338, 0.2823, 0.4542

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.



35.8799, 0.1690, 0.3396



35.8799, 0.3725, 0.2338



35.8799, 0.3287, 0.5278

Square

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



35.8799, 0.3725, 0.2338



35.8799, 0.4952, 0.4343



35.8799, 0.2354, 0.4624



35.8799, 0.1494, 0.1908

Rectangle

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



35.8799, 0.3725, 0.2338



35.8799, 0.5126, 0.3379



35.8799, 0.2354, 0.4624



35.8799, 0.1468, 0.2688

Sweetspot

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



35.8817, 0.3725, 0.2338



73.1413, 0.3259, 0.2993



24.5695, 0.2321, 0.1547



14.8609, 0.3285, 0.2943



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.



35.8817, 0.3725, 0.2338



30.3362, 0.3898, 0.2212



33.2042, 0.4637, 0.3051



18.1864, 0.3192, 0.3136



12.5775, 0.4338, 0.2163



1.2453, 0.4175, 0.2074

Inverse Universe

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



35.8817, 0.3725, 0.2338



30.3362, 0.3898, 0.2212



80.2868, 0.2502, 0.3587



18.1864, 0.3192, 0.3136



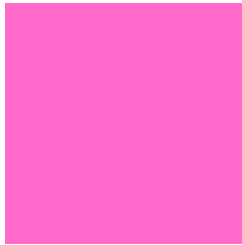
12.5775, 0.4338, 0.2163



1.2453, 0.4175, 0.2074

Previews

White Background



This preview shows how the Yxy color 35.8799, 0.3725, 0.2338 looks on a white background.

Color Contrast Check

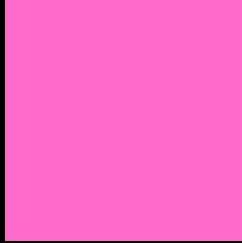
Large Text (above 18pt) WCAG AA × Fail

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 35.8799, 0.3725, 0.2338 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 35.8799, 0.3725, 0.2338

Background



This preview shows how black text looks on a background with the Yxy color 35.8799, 0.3725, 0.2338.



This preview shows how white text looks on a background with the Yxy color 35.8799, 0.3725, 0.2338.

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

35.8799, 0.3725, 0.2338

Protanopia

36.2539, 0.2328, 0.2207

Deuteranopia

35.9709, 0.2842, 0.2780



Tritanopia

35.7883, 0.4467, 0.3200

Trichromacy



Original Color

35.8799, 0.3725, 0.2338



Protanomaly

33.7047, 0.2714, 0.2204



Deuteranomaly

34.1446, 0.3132, 0.2550



Tritanomaly

35.7004, 0.4202, 0.2868

Monochromacy



Original Color

35.8799, 0.3725, 0.2338



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.2561, 0.3345, 0.2838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8799, 0.3725, 0.2338 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, 106, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 203)  
}
```

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, 106, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 203) }
```

Border

The CSS property to change the border of an element to Yxy 35.8799, 0.3725, 0.2338 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, 106, 203) }
```

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

```
.border{ border-color:rgb(255, 106, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 106, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 106, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 106, 203); box-shadow:4px 4px 4px 4px rgb(255, 106, 203) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8799, 0.3725, 0.2338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 203) }
```

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

```
.background{ background-color: rgb(255,  
106, 203) }
```

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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