

Converting Colors

$Y_{xy}(36.3504, 0.3770, 0.2355)$

Have a look what the booklet for
Yxy(36.3504, 0.3770, 0.2355)
contains.

Yxy(35.8323, 0.3737, 0.2347)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.8323, 0.3737, 0.2347)

Conversions

Conversions Part 1

Format	Color
Hex	FF6ACA
RGB	255, 106, 202
RGB Percent	100%, 42%, 79%
CMY	0.0000, 0.5843, 0.2078
CMYK	0.00, 0.58, 0.21, 0.00
HSL	321°, 100%, 71%
HSV	321°, 58%, 100%
XYZ	57.0538, 35.8323, 59.7867
YIQ	161.4950, 57.9880, 61.4440

Conversions

Conversions Part 2

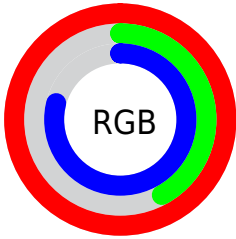
Format	Color
R _Y B	255, 106, 202
Decimal	16739018
CIE Lab	66.39, 66.64, -21.72
CIE LCh	66, 70.093, 341.949
Yxy	35.8323, 0.3737, 0.2347
Android (android.graphics.Color)	4294929098 (0xFFFF6ACA)
YUV	161.4950, 19.9690, 82.0039
Hunter-Lab	59.8601, 65.3767, -17.3152

Details

The Yxy color **35.8323, 0.3737, 0.2347** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.0865, 0.2818, 0.4529**, and the grayscale version is **35.7700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6744, 0.3169, 0.2394**, and **15.5416, 0.3896, 0.2106** is the 20% darker color. If you saturate the color by 10%, you get **30.9191, 0.3889, 0.2237**, and if you desaturate by 10%, it is **42.3363, 0.3596, 0.2488**.

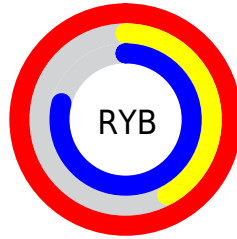
Distribution



Red (100%)

Green (42%)

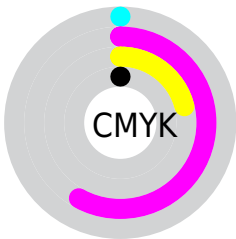
Blue (79%)



Red (100%)

Yellow (42%)

Blue (79%)

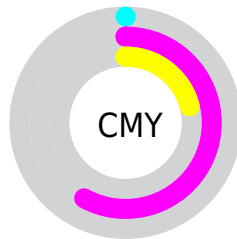


Cyan (0%)

Magenta (58%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (58%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8323, 0.3737, 0.2347 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 35.8323, 0.3737, 0.2347 by changing the saturation by 10% instead.


 35.8323, 0.3737,
0.2347


 35.8323, 0.3737,
0.2347


328.2270, 0.3440,
0.2797

 24.3047, 0.3808,
0.2242


 68.7731, 0.3631,
0.2505


 15.5598, 0.3898,
0.2111


 90.9552, 0.3591,
0.2566

 9.2132, 0.4015,
0.1944


 117.4575, 0.3556,
0.2619

 4.8805, 0.4171,
0.1726

 148.6645, 0.3527,
0.2664

 2.1773, 0.4389,
0.1432

184.9605, 0.3501,
0.2703

 0.7076, 0.4719,
0.1011

226.7300, 0.3478,

 0.0000, 0.5473,

0.2738

0.0000

274.3574, 0.3458,
0.2769

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8323, 0.3737,
0.2347

■ 35.8323, 0.3737,
0.2347

■ 30.9191, 0.3889,
0.2237

■ 42.3363, 0.3596,
0.2488

■ 27.4478, 0.4049,
0.2169

■ 50.5517, 0.3470,
0.2649

■ 25.2504, 0.4209,
0.2151

■ 60.5936, 0.3360,
0.2818

■ 24.0894, 0.4365,
0.2184

■ 72.5656, 0.3265,
0.2989

■ 23.9504, 0.4390,
0.2192

■ 86.5634, 0.3185,
0.3156

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



35.8323, 0.2672, 0.1938



35.8323, 0.3737, 0.2347



35.8323, 0.4745, 0.2939

Triad

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



35.8323, 0.3737, 0.2347



35.8323, 0.4216, 0.5027



35.8323, 0.1422, 0.2409

Complementary

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



35.8323, 0.3737, 0.2347



77.0865, 0.2818, 0.4529

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.



35.8323, 0.1689, 0.3382



35.8323, 0.3737, 0.2347



35.8323, 0.3276, 0.5269

Square

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



35.8323, 0.3737, 0.2347



35.8323, 0.4941, 0.4350



35.8323, 0.2347, 0.4605



35.8323, 0.1501, 0.1909

Rectangle

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



35.8323, 0.3737, 0.2347



35.8323, 0.5124, 0.3388



35.8323, 0.2347, 0.4605



35.8323, 0.1469, 0.2679

Sweetspot

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



35.8341, 0.3737, 0.2347



73.1227, 0.3262, 0.2996



24.8150, 0.2340, 0.1555



14.8564, 0.3287, 0.2947



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.



35.8341, 0.3737, 0.2347



30.2819, 0.3914, 0.2223



33.1377, 0.4670, 0.3076



18.1842, 0.3193, 0.3138



12.5444, 0.4365, 0.2178



1.2422, 0.4198, 0.2086

Inverse Universe

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



35.8341, 0.3737, 0.2347



30.2819, 0.3914, 0.2223



80.4462, 0.2492, 0.3557



18.1842, 0.3193, 0.3138



12.5444, 0.4365, 0.2178



1.2422, 0.4198, 0.2086

Previews

White Background



This preview shows how the Yxy color 35.8323, 0.3737, 0.2347 looks on a white background.

Color Contrast Check

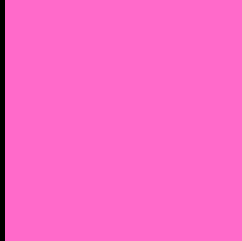
Large Text (above 18pt) WCAG AA × Fail

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 35.8323, 0.3737, 0.2347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

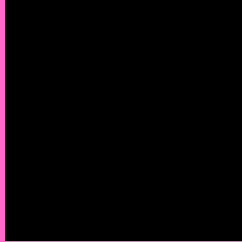
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8323, 0.3737, 0.2347

Background



This preview shows how black text looks on a background with the Yxy color 35.8323, 0.3737, 0.2347.



This preview shows how white text looks on a background with the Yxy color 35.8323, 0.3737, 0.2347.

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

35.8323, 0.3737, 0.2347

Protanopia

36.2754, 0.2340, 0.2218

Deuteranopia

36.0301, 0.2859, 0.2794



Tritanopia

35.7611, 0.4479, 0.3210

Trichromacy



Original Color

35.8323, 0.3737, 0.2347



Protanomaly

33.7672, 0.2730, 0.2216



Deuteranomaly

34.2322, 0.3151, 0.2564



Tritanomaly

35.6661, 0.4215, 0.2878

Monochromacy



Original Color

35.8323, 0.3737, 0.2347



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 35.8323, 0.3737, 0.2347 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 202) }
```

Border

The CSS property to change the border of an element to Yxy 35.8323, 0.3737, 0.2347 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, 202) }
```

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

```
.border{ border-color:rgb(255, 106, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8323, 0.3737, 0.2347 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, 202) }
```

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

```
.background{ background-color: rgb(255,  
106, 202) }
```

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