

Converting Colors

Yxy(35.4804, 0.3593, 0.2190)

Have a look what the booklet for
Yxy(35.4804, 0.3593, 0.2190)
contains.

Yxy(35.4737, 0.3597, 0.2194)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.4737, 0.3597, 0.2194)

Conversions

Conversions Part 1

Format	Color
Hex	FF65D7
RGB	255, 101, 215
RGB Percent	100%, 40%, 84%
CMY	0.0000, 0.6039, 0.1570
CMYK	0.00, 0.60, 0.16, 0.00
HSL	316°, 100%, 70%
HSV	316°, 60%, 100%
XYZ	58.1581, 35.4737, 68.0532
YIQ	160.0420, 55.1900, 68.1020

Conversions

Conversions Part 2

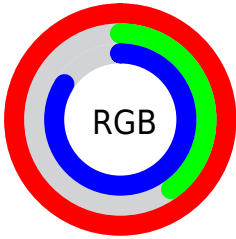
Format	Color
R _Y B	255, 101, 215
Decimal	16737751
CIE Lab	66.12, 70.54, -29.42
CIE LCh	66, 76.425, 337.360
Yxy	35.4737, 0.3597, 0.2194
Android (android.graphics.Color)	4294927831 (0xFFFF65D7)
YUV	160.0420, 27.0943, 83.2782
Hunter-Lab	59.5598, 70.0695, -26.0531

Details

The Yxy color **35.4737, 0.3597, 0.2194** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.2115, 0.2877, 0.4774**, and the grayscale version is **35.0288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **15.3422, 0.3706, 0.1931** is the 20% darker color. If you saturate the color by 10%, you get **30.9327, 0.3703, 0.2075**, and if you desaturate by 10%, it is **41.5651, 0.3496, 0.2348**.

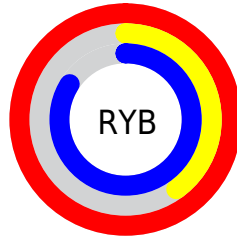
Distribution



Red (100%)

Green (40%)

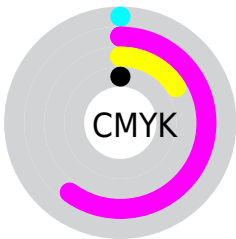
Blue (84%)



Red (100%)

Yellow (40%)

Blue (84%)

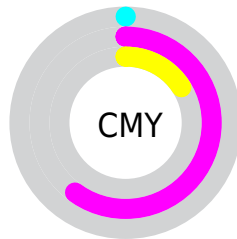


Cyan (0%)

Magenta (60%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (60%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4737, 0.3597, 0.2194 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 35.4737, 0.3597, 0.2194 by changing the saturation by 10% instead.


 35.4737, 0.3597,
0.2194


 35.4737, 0.3597,
0.2194


326.6543, 0.3379,
0.2707

 24.0280, 0.3646,
0.2077


 68.2190, 0.3522,
0.2372

 15.3544, 0.3706,
0.1933


 90.2873, 0.3492,
0.2442

 9.0685, 0.3781,
0.1753


 116.6653, 0.3467,
0.2501

 4.7859, 0.3876,
0.1523

 147.7374, 0.3445,
0.2553

 2.1222, 0.3997,
0.1223

183.8880, 0.3425,
0.2599

 0.6771, 0.4159,
0.0812

225.5014, 0.3408,

 0.0000, 0.4480,

0.2639

0.0000

272.9620, 0.3393,
0.2675

■ 0.0000, 0.4051,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.4737, 0.3597,
0.2194

■ 35.4737, 0.3597,
0.2194

■ 30.9327, 0.3703,
0.2075

■ 41.5651, 0.3496,
0.2348

■ 27.7929, 0.3812,
0.1998


■ 49.3339, 0.3403,
0.2524

■ 25.8786, 0.3918,
0.1971

■ 58.8961, 0.3320,
0.2714

■ 24.9219, 0.4017,
0.1987

■ 70.3566, 0.3247,
0.2908

 83.8123, 0.3183,
0.3099

99.3534, 0.3129,
0.3283

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.



35.4737, 0.2476, 0.1801



35.4737, 0.3597, 0.2194



35.4737, 0.4753, 0.2794

Triad

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



35.4737, 0.3597, 0.2194



35.4737, 0.4406, 0.5043



35.4737, 0.1322, 0.2446

Complementary

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



35.4737, 0.3597, 0.2194



76.2115, 0.2877, 0.4774

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.



35.4737, 0.1652, 0.3582



35.4737, 0.3597, 0.2194



35.4737, 0.3415, 0.5475

Square

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



35.4737, 0.3597, 0.2194



35.4737, 0.5150, 0.4264



35.4737, 0.2405, 0.4928



35.4737, 0.1358, 0.1854

Rectangle

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



35.4737, 0.3597, 0.2194



35.4737, 0.5238, 0.3255



35.4737, 0.2405, 0.4928



35.4737, 0.1387, 0.2763

Sweetspot

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



35.4742, 0.3597, 0.2194



73.3853, 0.3231, 0.2954



22.0621, 0.2191, 0.1446



14.9208, 0.3250, 0.2898



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.



35.4742, 0.3597, 0.2194



30.3361, 0.3721, 0.2059



32.4483, 0.4547, 0.2916



18.2150, 0.3178, 0.3116



13.0480, 0.4001, 0.1978



1.2883, 0.3890, 0.1916

Inverse Universe

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



35.4742, 0.3597, 0.2194



30.3361, 0.3721, 0.2059



79.2712, 0.2544, 0.3763



18.2150, 0.3178, 0.3116



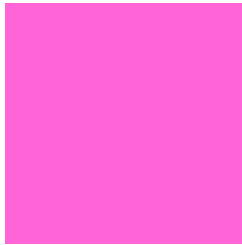
13.0480, 0.4001, 0.1978



1.2883, 0.3890, 0.1916

Previews

White Background



This preview shows how the Yxy color 35.4737, 0.3597, 0.2194 looks on a white background.

Color Contrast Check

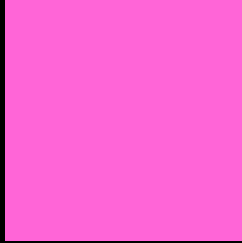
Large Text (above 18pt) WCAG AA × Fail

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 35.4737, 0.3597, 0.2194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

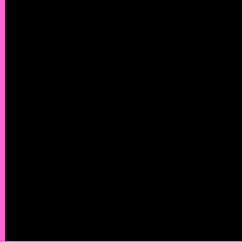
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4737, 0.3597, 0.2194

Background



This preview shows how black text looks on a background with the Yxy color 35.4737, 0.3597, 0.2194.

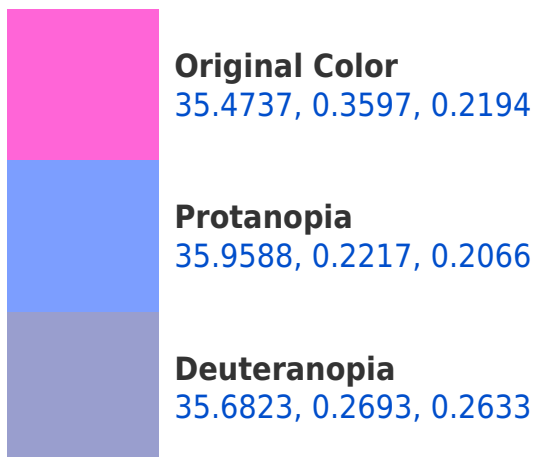


This preview shows how white text looks on a background with the Yxy color 35.4737, 0.3597, 0.2194.

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





Tritanopia

35.3319, 0.4475, 0.3199

Trichromacy



Original Color

35.4737, 0.3597, 0.2194



Protanomaly

32.9532, 0.2585, 0.2044



Deuteranomaly

33.4419, 0.2984, 0.2394



Tritanomaly

34.9673, 0.4153, 0.2795

Monochromacy



Original Color

35.4737, 0.3597, 0.2194



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.3626, 0.3308, 0.2761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4737, 0.3597, 0.2194 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, 101, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 101, 215)  
}
```

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, 101, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 101, 215) }
```

Border

The CSS property to change the border of an element to Yxy 35.4737, 0.3597, 0.2194 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, 101, 215) }
```

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

```
.border{ border-color:rgb(255, 101, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 101, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 101, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 101, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 101,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4737, 0.3597, 0.2194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 101, 215) }
```

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

```
.background{ background-color: rgb(255,  
101, 215) }
```

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