

Converting Colors

$Y_{xy}(83.8451, 0.4901, 0.2699)$

Have a look what the booklet for
Yxy(83.8451, 0.4901, 0.2699)
contains.

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Color

Yxy(35.4363, 0.3565, 0.2161)

Conversions

Conversions Part 1

Format	Color
Hex	FF64DA
RGB	255, 100, 218
RGB Percent	100%, 39%, 85%
CMY	0.0000, 0.6079, 0.1451
CMYK	0.00, 0.61, 0.15, 0.00
HSL	314°, 100%, 70%
HSV	314°, 61%, 100%
XYZ	58.4592, 35.4363, 70.0855
YIQ	159.7970, 54.5020, 69.5580

Conversions

Conversions Part 2

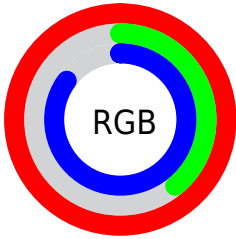
Format	Color
R _Y B	255, 100, 218
Decimal	16737498
CIE Lab	66.09, 71.39, -31.16
CIE LCh	66, 77.894, 336.424
Yxy	35.4363, 0.3565, 0.2161
Android (android.graphics.Color)	4294927578 (0xFFFF64DA)
YUV	159.7970, 28.6941, 83.4930
Hunter-Lab	59.5284, 71.1194, -28.1349

Details

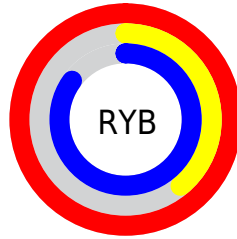
The Yxy color **35.4363, 0.3565, 0.2161** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.0340, 0.2891, 0.4828**, and the grayscale version is **34.8962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9337, 0.3171, 0.2347**, and **15.3342, 0.3660, 0.1892** is the 20% darker color. If you saturate the color by 10%, you get **30.9710, 0.3661, 0.2040**, and if you desaturate by 10%, it is **41.4358, 0.3472, 0.2317**.

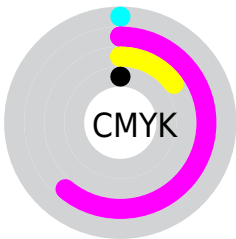
Distribution



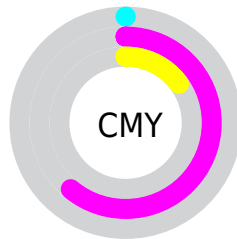
- Red (100%)
- Green (39%)
- Blue (85%)



- Red (100%)
- Yellow (39%)
- Blue (85%)



- Cyan (0%)
- Magenta (61%)
- Yellow (15%)
- Black (0%)




- Cyan (0%)
- Magenta (61%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4363, 0.3565, 0.2161 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 35.4363, 0.3565, 0.2161 by changing the saturation by 10% instead.


 35.4363, 0.3565,
0.2161


 35.4363, 0.3565,
0.2161


326.4900, 0.3365,
0.2687

 23.9992, 0.3609,
0.2042


 68.1611, 0.3497,
0.2343

 15.3330, 0.3663,
0.1896


 90.2176, 0.3470,
0.2414

 9.0534, 0.3728,
0.1713


 116.5826, 0.3446,
0.2476

 4.7760, 0.3810,
0.1481

 147.6406, 0.3426,
0.2529

 2.1165, 0.3910,
0.1180

183.7759, 0.3408,
0.2576

 0.6739, 0.4038,
0.0774

225.3730, 0.3392,

 0.0000, 0.4281,

0.2617

0.0000

272.8162, 0.3378,
0.2654

■ 0.0000, 0.3575,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.4363, 0.3565,
0.2161

■ 35.4363, 0.3565,
0.2161

■ 30.9710, 0.3661,
0.2040

■ 41.4358, 0.3472,
0.2317

■ 27.9027, 0.3759,
0.1962


■ 49.1100, 0.3387,
0.2497

■ 26.0499, 0.3855,
0.1933

■ 58.5709, 0.3309,
0.2691

■ 25.1609, 0.3940,
0.1944

■ 69.9239, 0.3241,
0.2889

 83.2660, 0.3182,
0.3086

 98.6879, 0.3131,
0.3275

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.



35.4363, 0.2434, 0.1772



35.4363, 0.3565, 0.2161



35.4363, 0.4753, 0.2762

Triad

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



35.4363, 0.3565, 0.2161



35.4363, 0.4447, 0.5042



35.4363, 0.1300, 0.2455

Complementary

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



35.4363, 0.3565, 0.2161



76.0340, 0.2891, 0.4828

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.



35.4363, 0.1645, 0.3629



35.4363, 0.3565, 0.2161



35.4363, 0.3444, 0.5517

Square

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



35.4363, 0.3565, 0.2161



35.4363, 0.5195, 0.4243



35.4363, 0.2417, 0.5000



35.4363, 0.1328, 0.1842

Rectangle

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



35.4363, 0.3565, 0.2161



35.4363, 0.5261, 0.3226



35.4363, 0.2417, 0.5000



35.4363, 0.1369, 0.2783

Sweetspot

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



35.4326, 0.3565, 0.2161



73.4443, 0.3224, 0.2945



21.5778, 0.2165, 0.1425



14.9354, 0.3242, 0.2887



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.



35.4326, 0.3565, 0.2161



30.1792, 0.3683, 0.2019



32.3034, 0.4527, 0.2889



18.2219, 0.3175, 0.3111



13.1716, 0.3925, 0.1936



1.2995, 0.3826, 0.1881

Inverse Universe

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



35.4326, 0.3565, 0.2161



30.1792, 0.3683, 0.2019



79.0660, 0.2553, 0.3801



18.2219, 0.3175, 0.3111



13.1716, 0.3925, 0.1936



1.2995, 0.3826, 0.1881

Previews

White Background



This preview shows how the Yxy color 35.4363, 0.3565, 0.2161 looks on a white background.

Color Contrast Check

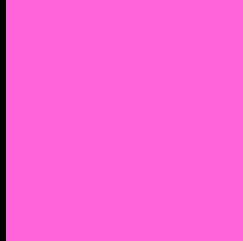
Large Text (above 18pt) WCAG AA × Fail

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 35.4363, 0.3565, 0.2161 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 35.4363, 0.3565, 0.2161

Background



This preview shows how black text looks on a background with the Yxy color 35.4363, 0.3565, 0.2161.



This preview shows how white text looks on a background with the Yxy color 35.4363, 0.3565, 0.2161.

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

35.4363, 0.3565, 0.2161

Protanopia

35.9588, 0.2217, 0.2066

Deuteranopia

35.6365, 0.2656, 0.2593



Tritanopia

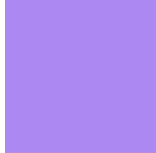
35.1506, 0.4465, 0.3199

Trichromacy



Original Color

35.4363, 0.3565, 0.2161



Protanomaly

33.0728, 0.2572, 0.2026



Deuteranomaly

33.4636, 0.2948, 0.2360



Tritanomaly

34.8187, 0.4130, 0.2782

Monochromacy



Original Color

35.4363, 0.3565, 0.2161



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.1153, 0.3299, 0.2736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4363, 0.3565, 0.2161 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, 100, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 218)  
}
```

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, 100, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 218) }
```

Border

The CSS property to change the border of an element to Yxy 35.4363, 0.3565, 0.2161 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, 100, 218) }
```

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

```
.border{ border-color:rgb(255, 100, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4363, 0.3565, 0.2161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 218) }
```

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

```
.background{ background-color: rgb(255,  
100, 218) }
```

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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