

Converting Colors

$Y_{xy}(64.6203, 0.4580, 0.2541)$

Have a look what the booklet for
Yxy(64.6203, 0.4580, 0.2541)
contains.

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Color

Yxy(34.5589, 0.3559, 0.2116)

Conversions

Conversions Part 1

Format	Color
Hex	FF5FDB
RGB	255, 95, 219
RGB Percent	100%, 37%, 86%
CMY	0.0000, 0.6275, 0.1411
CMYK	0.00, 0.63, 0.14, 0.00
HSL	313°, 100%, 69%
HSV	313°, 63%, 100%
XYZ	58.1262, 34.5589, 70.6367
YIQ	156.9760, 55.5560, 72.4840

Conversions

Conversions Part 2

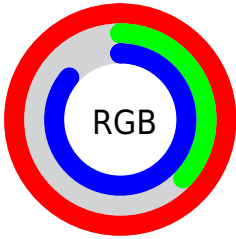
Format	Color
R _Y B	255, 95, 219
Decimal	16736219
CIE Lab	65.40, 73.53, -32.78
CIE LCh	65, 80.505, 335.969
Yxy	34.5589, 0.3559, 0.2116
Android (android.graphics.Color)	4294926299 (0xFFFF5FDB)
YUV	156.9760, 30.5778, 85.9670
Hunter-Lab	58.7868, 73.6173, -30.0905

Details

The Yxy color **34.5589, 0.3559, 0.2116** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **75.5895, 0.2897, 0.4913**, and the grayscale version is **33.5416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5912, 0.3173, 0.2311**, and **14.8952, 0.3650, 0.1842** is the 20% darker color. If you saturate the color by 10%, you get **30.3941, 0.3649, 0.2001**, and if you desaturate by 10%, it is **40.2314, 0.3471, 0.2268**.

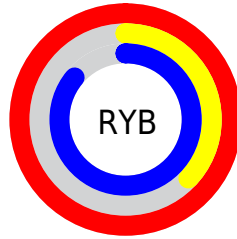
Distribution



Red (100%)

Green (37%)

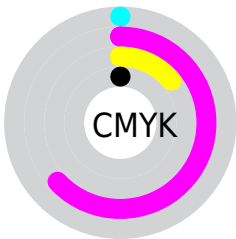
Blue (86%)



Red (100%)

Yellow (37%)

Blue (86%)

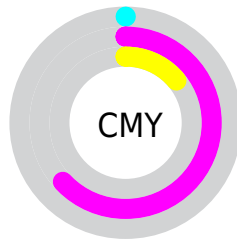


Cyan (0%)

Magenta (63%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (63%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5589, 0.3559, 0.2116 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 34.5589, 0.3559, 0.2116 by changing the saturation by 10% instead.


 34.5589, 0.3559,
0.2116


 34.5589, 0.3559,
0.2116


322.6170, 0.3363,
0.2662


 23.3233, 0.3602,
0.1993


 66.8019, 0.3493,
0.2305


 14.8324, 0.3653,
0.1842


 88.5780, 0.3466,
0.2379

 8.7018, 0.3715,
0.1654


 114.6365, 0.3444,
0.2442

 4.5472, 0.3790,
0.1417

 145.3616, 0.3424,
0.2498

 1.9841, 0.3882,
0.1111

181.1378, 0.3406,
0.2546

 0.5982, 0.3997,
0.0690

222.3496, 0.3390,

 0.0000, 0.4169,

0.2589

0.0000

269.3812, 0.3376,
0.2628

■ 0.0000, 0.3272,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.5589, 0.3559,
0.2116

■ 34.5589, 0.3559,
0.2116

■ 30.3941, 0.3649,
0.2001

■ 40.2314, 0.3471,
0.2268

■ 27.5918, 0.3740,
0.1930


■ 47.5521, 0.3389,
0.2447


■ 25.9639, 0.3828,
0.1908

■ 56.6364, 0.3314,
0.2641

■ 25.3216, 0.3890,
0.1917

■ 67.5914, 0.3248,
0.2843

 80.5158, 0.3190,
0.3044

 95.5012, 0.3140,
0.3238

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.



34.5589, 0.2392, 0.1722



34.5589, 0.3559, 0.2116



34.5589, 0.4803, 0.2728

Triad

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



34.5589, 0.3559, 0.2116



34.5589, 0.4487, 0.5075



34.5589, 0.1247, 0.2430

Complementary

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



34.5589, 0.3559, 0.2116



75.5895, 0.2897, 0.4913

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.



34.5589, 0.1599, 0.3660



34.5589, 0.3559, 0.2116



34.5589, 0.3453, 0.5608

Square

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



34.5589, 0.3559, 0.2116



34.5589, 0.5265, 0.4237



34.5589, 0.2395, 0.5103



34.5589, 0.1273, 0.1798

Rectangle

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



34.5589, 0.3559, 0.2116



34.5589, 0.5338, 0.3199



34.5589, 0.2395, 0.5103



34.5589, 0.1317, 0.2772

Sweetspot

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



34.5562, 0.3559, 0.2116



72.2060, 0.3225, 0.2919



20.1191, 0.2111, 0.1357



14.6968, 0.3242, 0.2861



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.



34.5562, 0.3559, 0.2116



29.6519, 0.3670, 0.1981



31.3437, 0.4563, 0.2855



18.2263, 0.3173, 0.3108



13.2547, 0.3877, 0.1909



1.3069, 0.3785, 0.1858

Inverse Universe

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



34.5562, 0.3559, 0.2116



29.6519, 0.3670, 0.1981



78.5881, 0.2554, 0.3856



18.2263, 0.3173, 0.3108



13.2547, 0.3877, 0.1909



1.3069, 0.3785, 0.1858

Previews

White Background



This preview shows how the Yxy color 34.5589, 0.3559, 0.2116 looks on a white background.

Color Contrast Check

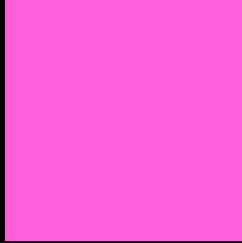
Large Text (above 18pt) WCAG AA × Fail

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 34.5589, 0.3559, 0.2116 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 34.5589, 0.3559, 0.2116

Background



This preview shows how black text looks on a background with the Yxy color 34.5589, 0.3559, 0.2116.

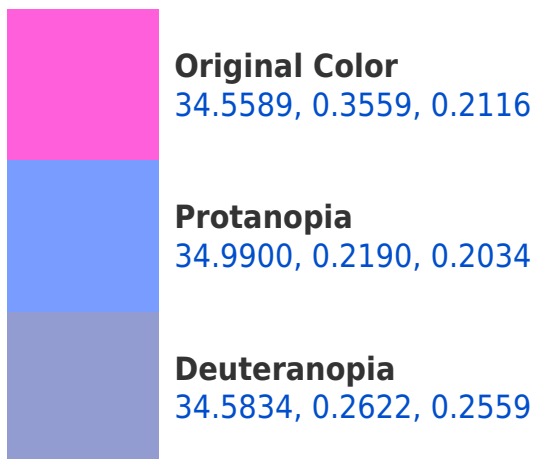


This preview shows how white text looks on a background with the Yxy color 34.5589, 0.3559, 0.2116.

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

34.3450, 0.4518, 0.3200

Trichromacy



Original Color

34.5589, 0.3559, 0.2116



Protanomaly

31.8960, 0.2544, 0.1983



Deuteranomaly

32.2934, 0.2911, 0.2305



Tritanomaly

33.8648, 0.4169, 0.2764

Monochromacy



Original Color

34.5589, 0.3559, 0.2116



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

31.6829, 0.3293, 0.2692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5589, 0.3559, 0.2116 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, 95, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 95, 219)  
}
```

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, 95, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 95, 219) }
```

Border

The CSS property to change the border of an element to Yxy 34.5589, 0.3559, 0.2116 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, 95, 219) }
```

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

```
.border{ border-color:rgb(255, 95, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 95, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 95, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 95, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 95,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5589, 0.3559, 0.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 95, 219) }
```

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

```
.background{ background-color: rgb(255, 95,  
219) }
```

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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