

Converting Colors

$Y_{xy}(53.5803, 0.4142, 0.2532)$

Have a look what the booklet for
Yxy(53.5803, 0.4142, 0.2532)
contains.

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Color

Yxy(39.4115, 0.3563, 0.2331)

Conversions

Conversions Part 1

Format	Color
Hex	FF77D8
RGB	255, 119, 216
RGB Percent	100%, 47%, 85%
CMY	0.0000, 0.5334, 0.1528
CMYK	0.00, 0.53, 0.15, 0.00
HSL	317°, 100%, 73%
HSV	317°, 53%, 100%
XYZ	60.2416, 39.4115, 69.4224
YIQ	170.7220, 49.9190, 58.9990

Conversions

Conversions Part 2

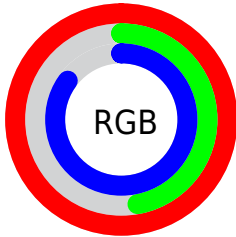
Format	Color
R _Y B	255, 119, 216
Decimal	16742360
CIE Lab	69.05, 62.91, -25.50
CIE LCh	69, 67.879, 337.932
Yxy	39.4115, 0.3563, 0.2331
Android (android.graphics.Color)	4294932440 (0xFFFF77D8)
YUV	170.7220, 22.3221, 73.9118
Hunter-Lab	62.7786, 61.4240, -21.6196

Details

The Yxy color **39.4115, 0.3563, 0.2331** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.9072, 0.2877, 0.4525**, and the grayscale version is **40.4407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **17.6206, 0.3660, 0.2103** is the 20% darker color. If you saturate the color by 10%, you get **33.7635, 0.3677, 0.2191**, and if you desaturate by 10%, it is **46.6986, 0.3457, 0.2497**.

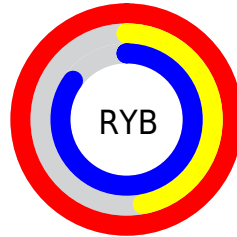
Distribution



Red (100%)

Green (47%)

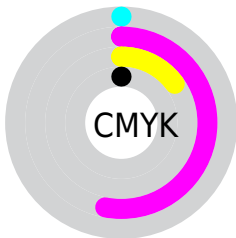
Blue (85%)



Red (100%)

Yellow (47%)

Blue (85%)

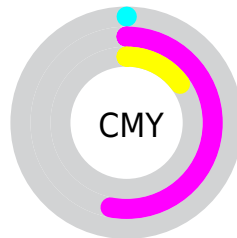


Cyan (0%)

Magenta (53%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.4115, 0.3563, 0.2331 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 39.4115, 0.3563, 0.2331 by changing the saturation by 10% instead.


 39.4115, 0.3563,
0.2331


 39.4115, 0.3563,
0.2331

343.6369, 0.3360,
0.2780

 27.0800, 0.3609,
0.2228


 74.2665, 0.3492,
0.2487

 17.6333, 0.3667,
0.2102


 97.5588, 0.3465,
0.2548

 10.6870, 0.3738,
0.1942


 125.2736, 0.3441,
0.2600

 5.8568, 0.3831,
0.1737

157.7951, 0.3421,
0.2645

 2.7582, 0.3953,
0.1464

195.5077, 0.3403,
0.2685

 1.0068, 0.4118,
0.1093

238.7960, 0.3387,

 0.0000, 0.4611,

0.2720

0.0000

288.0442, 0.3372,
0.2752

■ 0.0000, 0.4530,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.4115, 0.3563,
0.2331

■ 39.4115, 0.3563,
0.2331

■ 33.7635, 0.3677,
0.2191

■ 46.6986, 0.3457,
0.2497

■ 29.6291, 0.3798,
0.2088


■ 55.7517, 0.3362,
0.2678


■ 26.8508, 0.3920,
0.2030

■ 66.6761, 0.3279,
0.2866

■ 25.2404, 0.4039,
0.2023

■ 79.5708, 0.3207,
0.3052

 24.6355, 0.4116,
0.2041

 94.5281, 0.3145,
0.3232

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.



39.4115, 0.2584, 0.1967



39.4115, 0.3563, 0.2331



39.4115, 0.4541, 0.2883

Triad

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



39.4115, 0.3563, 0.2331



39.4115, 0.4285, 0.4872



39.4115, 0.1518, 0.2564

Complementary

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



39.4115, 0.3563, 0.2331



77.9072, 0.2877, 0.4525

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.



39.4115, 0.1830, 0.3535



39.4115, 0.3563, 0.2331



39.4115, 0.3409, 0.5154

Square

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



39.4115, 0.3563, 0.2331



39.4115, 0.4916, 0.4227



39.4115, 0.2508, 0.4642



39.4115, 0.1549, 0.2023

Rectangle

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



39.4115, 0.3563, 0.2331



39.4115, 0.4958, 0.3311



39.4115, 0.2508, 0.4642



39.4115, 0.1581, 0.2843

Sweetspot

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



39.4088, 0.3563, 0.2331



75.9444, 0.3225, 0.3003



27.6295, 0.2354, 0.1683



15.6755, 0.3239, 0.2965



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.



39.4088, 0.3563, 0.2331



33.4461, 0.3685, 0.2183



36.6015, 0.4352, 0.2993



18.2064, 0.3182, 0.3122



12.8997, 0.4098, 0.2031



1.2749, 0.3972, 0.1962

Inverse Universe

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



39.4088, 0.3563, 0.2331



33.4461, 0.3685, 0.2183



80.9057, 0.2567, 0.3642



18.2064, 0.3182, 0.3122



12.8997, 0.4098, 0.2031



1.2749, 0.3972, 0.1962

Previews

White Background



This preview shows how the Yxy color 39.4115, 0.3563, 0.2331 looks on a white background.

Color Contrast Check

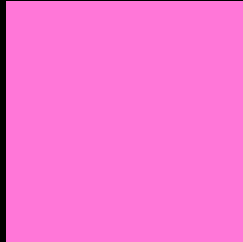
Large Text (above 18pt) WCAG AA × Fail

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 39.4115, 0.3563, 0.2331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

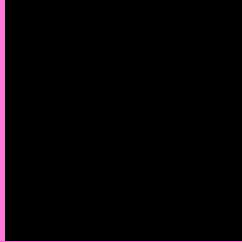
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.4115, 0.3563, 0.2331

Background



This preview shows how black text looks on a background with the Yxy color 39.4115, 0.3563, 0.2331.



This preview shows how white text looks on a background with the Yxy color 39.4115, 0.3563, 0.2331.

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

39.4115, 0.3563, 0.2331

Protanopia

39.8762, 0.2341, 0.2222

Deuteranopia

39.4637, 0.2784, 0.2722



Tritanopia

39.3287, 0.4252, 0.3186

Trichromacy



Original Color

39.4115, 0.3563, 0.2331



Protanomaly

37.6720, 0.2686, 0.2218



Deuteranomaly

37.8887, 0.3041, 0.2525



Tritanomaly

39.1500, 0.4004, 0.2851

Monochromacy



Original Color

39.4115, 0.3563, 0.2331



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.6009, 0.3294, 0.2854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4115, 0.3563, 0.2331 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, 119, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 216)  
}
```

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, 119, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 216) }
```

Border

The CSS property to change the border of an element to Yxy 39.4115, 0.3563, 0.2331 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, 119, 216) }
```

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

```
.border{ border-color:rgb(255, 119, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 119, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4115, 0.3563, 0.2331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 216) }
```

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

```
.background{ background-color: rgb(255,  
119, 216) }
```

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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