

Converting Colors

$Y_{xy}(38.4537, 0.3550, 0.2278)$

Have a look what the booklet for
Yxy(38.4537, 0.3550, 0.2278)
contains.

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Color

Yxy(38.5834, 0.3547, 0.2280)

Conversions

Conversions Part 1

Format	Color
Hex	FF73DA
RGB	255, 115, 218
RGB Percent	100%, 45%, 85%
CMY	0.0000, 0.5490, 0.1451
CMYK	0.00, 0.55, 0.15, 0.00
HSL	316°, 100%, 73%
HSV	316°, 55%, 100%
XYZ	60.0243, 38.5834, 70.6178
YIQ	168.6020, 50.3770, 61.7130

Conversions

Conversions Part 2

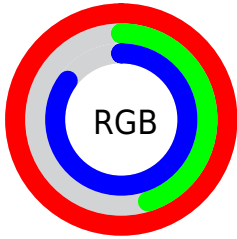
Format	Color
RYB	255, 115, 218
Decimal	16741338
CIELab	68.45, 64.97, -27.52
CIELCh	68, 70.562, 337.045
Yxy	38.5834, 0.3547, 0.2280
Android (android.graphics.Color)	4294931418 (0xFFFF73DA)
YUV	168.6020, 24.3532, 75.7710
Hunter-Lab	62.1155, 63.7882, -23.9246

Details

The Yxy color **38.5834, 0.3547, 0.2280** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.4284, 0.2886, 0.4608**, and the grayscale version is **39.3308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **17.0748, 0.3637, 0.2034** is the 20% darker color. If you saturate the color by 10%, you get **33.2058, 0.3653, 0.2141**, and if you desaturate by 10%, it is **45.5870, 0.3449, 0.2447**.

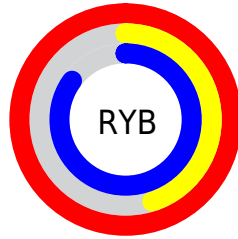
Distribution



Red (100%)

Green (45%)

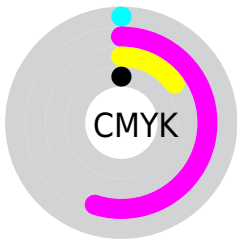
Blue (85%)



Red (100%)

Yellow (45%)

Blue (85%)

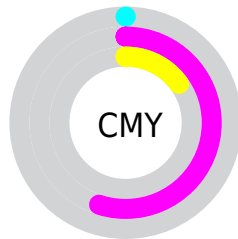


Cyan (0%)

Magenta (55%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (55%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5834, 0.3547, 0.2280 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 38.5834, 0.3547, 0.2280 by changing the saturation by 10% instead.

 38.5834, 0.3547,
0.2280


 38.5834, 0.3547,
0.2280


340.1160, 0.3353,
0.2751

 26.4358, 0.3591,
0.2173


 73.0015, 0.3480,
0.2444

 17.1499, 0.3644,
0.2041


 96.0407, 0.3454,
0.2507

 10.3415, 0.3710,
0.1875


 123.4793, 0.3431,
0.2562

 5.6259, 0.3794,
0.1662

155.7016, 0.3412,
0.2610

 2.6190, 0.3903,
0.1382

193.0920, 0.3394,
0.2652

 0.9362, 0.4043,
0.1007

236.0350, 0.3379,

 0.0000, 0.4440,

0.2689

0.0000

284.9148, 0.3365,
0.2722

0.0000, 0.4108,
0.0000

0.0000, 0.0000,
0.0000

38.5834, 0.3547,
0.2280

38.5834, 0.3547,
0.2280

33.2058, 0.3653,
0.2141

45.5870, 0.3449,
0.2447

29.3122, 0.3762,
0.2041


54.3318, 0.3359,
0.2631


26.7458, 0.3873,
0.1987

64.9291, 0.3280,
0.2823

25.3111, 0.3979,
0.1983

77.4792, 0.3212,
0.3015

 24.8732, 0.4033,
0.1995

 92.0751, 0.3153,
0.3202

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



38.5834, 0.2532, 0.1913



38.5834, 0.3547, 0.2280



38.5834, 0.4581, 0.2843

Triad

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



38.5834, 0.3547, 0.2280



38.5834, 0.4342, 0.4910



38.5834, 0.1464, 0.2550

Complementary

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



38.5834, 0.3547, 0.2280



77.4284, 0.2886, 0.4608

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.



38.5834, 0.1791, 0.3577



38.5834, 0.3547, 0.2280



38.5834, 0.3436, 0.5247

Square

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



38.5834, 0.3547, 0.2280



38.5834, 0.4995, 0.4224



38.5834, 0.2500, 0.4744



38.5834, 0.1488, 0.1982

Rectangle

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



38.5834, 0.3547, 0.2280



38.5834, 0.5027, 0.3280



38.5834, 0.2500, 0.4744



38.5834, 0.1530, 0.2843

Sweetspot

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



38.5853, 0.3547, 0.2280



75.9994, 0.3219, 0.2994



25.9685, 0.2292, 0.1619



15.6887, 0.3232, 0.2955



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.



38.5853, 0.3547, 0.2280



32.7076, 0.3665, 0.2128



35.7252, 0.4349, 0.2939



18.2136, 0.3179, 0.3117



13.0235, 0.4016, 0.1986



1.2861, 0.3903, 0.1924

Inverse Universe

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



38.5853, 0.3547, 0.2280



32.7076, 0.3665, 0.2128



80.3287, 0.2577, 0.3713



18.2136, 0.3179, 0.3117



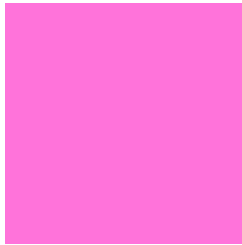
13.0235, 0.4016, 0.1986



1.2861, 0.3903, 0.1924

Previews

White Background



This preview shows how the Yxy color 38.5834, 0.3547, 0.2280 looks on a white background.

Color Contrast Check

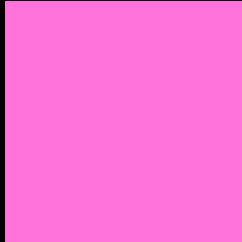
Large Text (above 18pt) WCAG AA × Fail

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 38.5834, 0.3547, 0.2280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

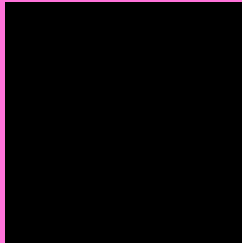
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5834, 0.3547, 0.2280

Background



This preview shows how black text looks on a background with the Yxy color 38.5834, 0.3547, 0.2280.

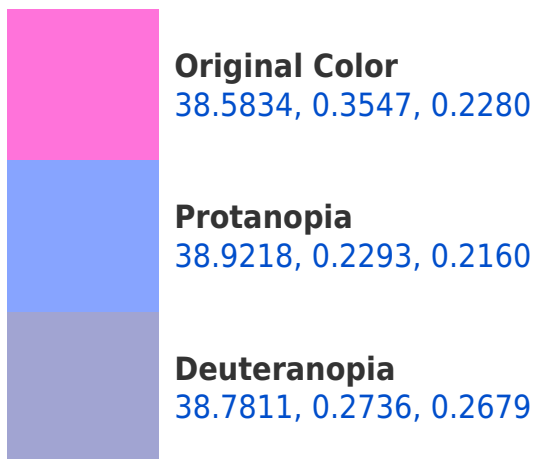


This preview shows how white text looks on a background with the Yxy color 38.5834, 0.3547, 0.2280.

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

38.5022, 0.4287, 0.3197

Trichromacy



Original Color

38.5834, 0.3547, 0.2280



Protanomaly

36.5523, 0.2639, 0.2148



Deuteranomaly

36.9640, 0.2997, 0.2473



Tritanomaly

38.1480, 0.4016, 0.2829

Monochromacy



Original Color

38.5834, 0.3547, 0.2280



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.3621, 0.3278, 0.2813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5834, 0.3547, 0.2280 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, 115, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 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, 115, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 218) }
```

Border

The CSS property to change the border of an element to Yxy 38.5834, 0.3547, 0.2280 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, 115, 218) }
```

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

```
.border{ border-color:rgb(255, 115, 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, 115, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5834, 0.3547, 0.2280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 218) }
```

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

```
.background{ background-color: rgb(255,  
115, 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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