

Converting Colors

$Y_{xy}(44.3829, 0.3912, 0.2429)$

Have a look what the booklet for
Yxy(44.3829, 0.3912, 0.2429)
contains.

Yxy(38.0481, 0.3613, 0.2324)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.0481, 0.3613, 0.2324)

Conversions

Conversions Part 1

Format	Color
Hex	FF72D4
RGB	255, 114, 212
RGB Percent	100%, 45%, 83%
CMY	0.0000, 0.5530, 0.1686
CMYK	0.00, 0.55, 0.17, 0.00
HSL	318°, 100%, 72%
HSV	318°, 55%, 100%
XYZ	59.1514, 38.0481, 66.5187
YIQ	167.3310, 52.5780, 60.3700

Conversions

Conversions Part 2

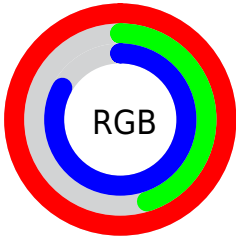
Format	Color
R _Y B	255, 114, 212
Decimal	16741076
CIE _{Lab}	68.06, 64.58, -24.78
CIE _{LCh}	68, 69.167, 339.007
Y _{xy}	38.0481, 0.3613, 0.2324
Android (android.graphics.Color)	4294931156 (0xFFFF72D4)
YUV	167.3310, 22.0218, 76.8857
Hunter-Lab	61.6831, 63.2280, -20.7597

Details

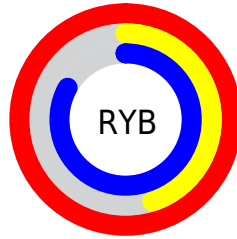
The Yxy color **38.0481, 0.3613, 0.2324** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.5290, 0.2860, 0.4545**, and the grayscale version is **38.6772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6058, 0.3166, 0.2469**, and **16.7688, 0.3732, 0.2089** is the 20% darker color. If you saturate the color by 10%, you get **32.6888, 0.3737, 0.2193**, and if you desaturate by 10%, it is **45.0192, 0.3498, 0.2482**.

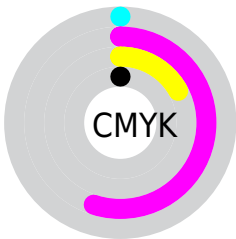
Distribution



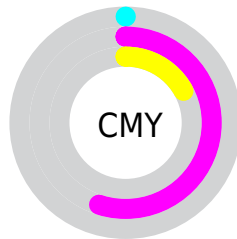
- Red (100%)
- Green (45%)
- Blue (83%)



- Red (100%)
- Yellow (45%)
- Blue (83%)



- Cyan (0%)
- Magenta (55%)
- Yellow (17%)
- Black (0%)




- Cyan (0%)
- Magenta (55%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0481, 0.3613, 0.2324 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 38.0481, 0.3613, 0.2324 by changing the saturation by 10% instead.


 38.0481, 0.3613,
0.2324


 38.0481, 0.3613,
0.2324


337.8263, 0.3383,
0.2779


 26.0200, 0.3666,
0.2219


 72.1819, 0.3533,
0.2483

 16.8386, 0.3732,
0.2090


 95.0563, 0.3501,
0.2544

 10.1195, 0.3816,
0.1927


 122.3150, 0.3475,
0.2597

 5.4783, 0.3925,
0.1716

154.3424, 0.3452,
0.2643

 2.5305, 0.4072,
0.1435

191.5228, 0.3431,
0.2683

 0.8919, 0.4275,
0.1053

234.2407, 0.3413,

 0.0000, 0.4819,

0.2719

0.0000

282.8804, 0.3397,
0.2750

■ 0.0000, 0.5220,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.0481, 0.3613,
0.2324

■ 38.0481, 0.3613,
0.2324

■ 32.6888, 0.3737,
0.2193

■ 45.0192, 0.3498,
0.2482

■ 28.8189, 0.3868,
0.2102


■ 53.7384, 0.3394,
0.2658


■ 26.2735, 0.3999,
0.2058

■ 64.3107, 0.3303,
0.2840

■ 24.8550, 0.4128,
0.2064

■ 76.8368, 0.3225,
0.3023

 24.4448, 0.4187,
0.2080

 91.4101, 0.3158,
0.3200

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.



38.0481, 0.2599, 0.1945



38.0481, 0.3613, 0.2324



38.0481, 0.4614, 0.2892

Triad

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



38.0481, 0.3613, 0.2324



38.0481, 0.4278, 0.4929



38.0481, 0.1475, 0.2512

Complementary

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



38.0481, 0.3613, 0.2324



77.5290, 0.2860, 0.4545

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.



38.0481, 0.1776, 0.3497



38.0481, 0.3613, 0.2324



38.0481, 0.3374, 0.5212

Square

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



38.0481, 0.3613, 0.2324



38.0481, 0.4944, 0.4265



38.0481, 0.2456, 0.4656



38.0481, 0.1519, 0.1977

Rectangle

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



38.0481, 0.3613, 0.2324



38.0481, 0.5027, 0.3328



38.0481, 0.2456, 0.4656



38.0481, 0.1534, 0.2791

Sweetspot

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



38.0431, 0.3613, 0.2324



74.5700, 0.3238, 0.2992



26.3454, 0.2337, 0.1628



15.4027, 0.3253, 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.



38.0431, 0.3613, 0.2324



32.3728, 0.3746, 0.2186



35.2477, 0.4453, 0.3010



18.2005, 0.3185, 0.3126



12.8008, 0.4167, 0.2069



1.2659, 0.4031, 0.1994

Inverse Universe

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



38.0431, 0.3613, 0.2324



32.3728, 0.3746, 0.2186



80.6306, 0.2543, 0.3628



18.2005, 0.3185, 0.3126



12.8008, 0.4167, 0.2069



1.2659, 0.4031, 0.1994

Previews

White Background



This preview shows how the Yxy color 38.0481, 0.3613, 0.2324 looks on a white background.

Color Contrast Check

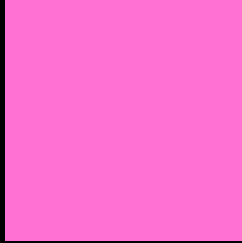
Large Text (above 18pt) WCAG AA × Fail

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 38.0481, 0.3613, 0.2324 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 38.0481, 0.3613, 0.2324

Background



This preview shows how black text looks on a background with the Yxy color 38.0481, 0.3613, 0.2324.



This preview shows how white text looks on a background with the Yxy color 38.0481, 0.3613, 0.2324.

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

38.0481, 0.3613, 0.2324

Protanopia

38.4149, 0.2327, 0.2198

Deuteranopia

38.3405, 0.2795, 0.2740



Tritanopia

38.0825, 0.4330, 0.3198

Trichromacy



Original Color

38.0481, 0.3613, 0.2324



Protanomaly

36.0102, 0.2687, 0.2195



Deuteranomaly

36.4916, 0.3058, 0.2527



Tritanomaly

37.9296, 0.4076, 0.2863

Monochromacy



Original Color

38.0481, 0.3613, 0.2324



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.7408, 0.3307, 0.2847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0481, 0.3613, 0.2324 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, 114, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 212)  
}
```

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, 114, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 212) }
```

Border

The CSS property to change the border of an element to Yxy 38.0481, 0.3613, 0.2324 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, 114, 212) }
```

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

```
.border{ border-color:rgb(255, 114, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 114, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0481, 0.3613, 0.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 212) }
```

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

```
.background{ background-color: rgb(255,  
114, 212) }
```

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