

Converting Colors

$Y_{xy}(37.9536, 0.3671, 0.2380)$

Have a look what the booklet for
Yxy(37.9536, 0.3671, 0.2380)
contains.

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Color

Yxy(38.0265, 0.3666, 0.2378)

Conversions

Conversions Part 1

Format	Color
Hex	FF73CF
RGB	255, 115, 207
RGB Percent	100%, 45%, 81%
CMY	0.0001, 0.5489, 0.1884
CMYK	0.00, 0.55, 0.19, 0.00
HSL	321°, 100%, 73%
HSV	321°, 55%, 100%
XYZ	58.6229, 38.0265, 63.2602
YIQ	167.3480, 53.9080, 58.2920

Conversions

Conversions Part 2

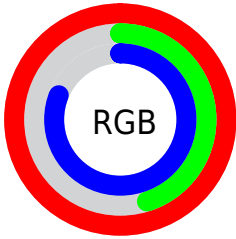
Format	Color
R_{YB}	255, 115, 207
Decimal	16741327
CIE _{Lab}	68.04, 63.37, -21.99
CIE _{LCh}	68, 67.076, 340.863
Yxy	38.0265, 0.3666, 0.2378
Android (android.graphics.Color)	4294931407 (0xFFFF73CF)
YUV	167.3480, 19.5484, 76.8708
Hunter-Lab	61.6656, 61.7774, -17.6572

Details

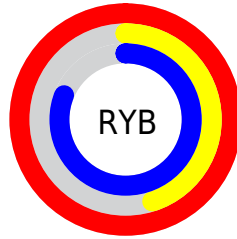
The Yxy color **38.0265, 0.3666, 0.2378** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.7970, 0.2836, 0.4463**, and the grayscale version is **38.7097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **16.8283, 0.3792, 0.2147** is the 20% darker color. If you saturate the color by 10%, you get **32.5774, 0.3808, 0.2253**, and if you desaturate by 10%, it is **45.1109, 0.3536, 0.2530**.

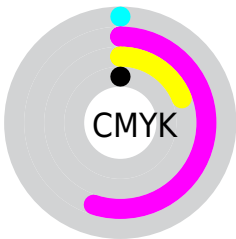
Distribution



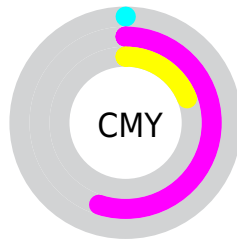
- Red (100%)
- Green (45%)
- Blue (81%)



- Red (100%)
- Yellow (45%)
- Blue (81%)



- Cyan (0%)
- Magenta (55%)
- Yellow (19%)
- Black (0%)




- Cyan (0%)
- Magenta (55%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0265, 0.3666, 0.2378 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 38.0265, 0.3666, 0.2378 by changing the saturation by 10% instead.


 38.0265, 0.3666,
0.2378


 38.0265, 0.3666,
0.2378


337.7336, 0.3407,
0.2810


 26.0033, 0.3727,
0.2278


 72.1488, 0.3574,
0.2529

 16.8261, 0.3804,
0.2153


 95.0166, 0.3539,
0.2588

 10.1106, 0.3903,
0.1995


 122.2680, 0.3509,
0.2638

 5.4723, 0.4034,
0.1789

154.2875, 0.3483,
0.2682

 2.5270, 0.4216,
0.1511

191.4594, 0.3460,
0.2720

 0.8901, 0.4479,
0.1126

234.1681, 0.3440,

 0.0000, 0.5186,

0.2754

0.0000

282.7981, 0.3423,
0.2783

0.0000, 0.7509,
0.0000

0.0000, 0.0000,
0.0000

38.0265, 0.3666,
0.2378

38.0265, 0.3666,
0.2378

32.5774, 0.3808,
0.2253

45.1109, 0.3536,
0.2530

28.6214, 0.3959,
0.2167

53.9459, 0.3420,
0.2697

26.0014, 0.4113,
0.2128

64.6430, 0.3319,
0.2871

24.5220, 0.4263,
0.2141

77.3026, 0.3232,
0.3044

■ 24.0638, 0.4338,
0.2164

■ 92.0180, 0.3159,
0.3211

99.9952, 0.3127,
0.3290

Harmonies

Analogous

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



38.0265, 0.2669, 0.1992



38.0265, 0.3666, 0.2378



38.0265, 0.4619, 0.2944

Triad

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



38.0265, 0.3666, 0.2378



38.0265, 0.4207, 0.4924



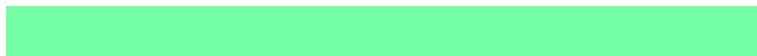
38.0265, 0.1506, 0.2492

Complementary

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



38.0265, 0.3666, 0.2378



77.7970, 0.2836, 0.4463

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.



38.0265, 0.1783, 0.3425



38.0265, 0.3666, 0.2378



38.0265, 0.3319, 0.5144

Square

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



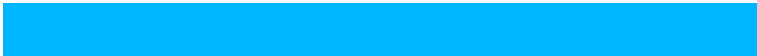
38.0265, 0.3666, 0.2378



38.0265, 0.4872, 0.4295



38.0265, 0.2428, 0.4549



38.0265, 0.1569, 0.1992

Rectangle

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



38.0265, 0.3666, 0.2378



38.0265, 0.4995, 0.3376



38.0265, 0.2428, 0.4549



38.0265, 0.1558, 0.2756

Sweetspot

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



38.0284, 0.3666, 0.2378



75.8055, 0.3241, 0.3025



27.1363, 0.2380, 0.1655



15.6423, 0.3258, 0.2990



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.



38.0284, 0.3666, 0.2378



32.0712, 0.3825, 0.2241



35.3704, 0.4496, 0.3059



18.1883, 0.3191, 0.3135



12.6059, 0.4315, 0.2151



1.2479, 0.4156, 0.2063

Inverse Universe

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



38.0284, 0.3666, 0.2378



32.0712, 0.3825, 0.2241



80.9575, 0.2526, 0.3567



18.1883, 0.3191, 0.3135



12.6059, 0.4315, 0.2151



1.2479, 0.4156, 0.2063

Previews

White Background



This preview shows how the Yxy color 38.0265, 0.3666, 0.2378 looks on a white background.

Color Contrast Check

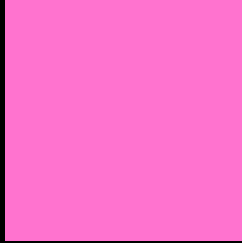
Large Text (above 18pt) WCAG AA × Fail

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 38.0265, 0.3666, 0.2378 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 38.0265, 0.3666, 0.2378

Background



This preview shows how black text looks on a background with the Yxy color 38.0265, 0.3666, 0.2378.



This preview shows how white text looks on a background with the Yxy color 38.0265, 0.3666, 0.2378.

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

38.0265, 0.3666, 0.2378

Protanopia

38.5974, 0.2383, 0.2284

Deuteranopia

38.0712, 0.2857, 0.2792



Tritanopia

37.8152, 0.4335, 0.3187

Trichromacy



Original Color

38.0265, 0.3666, 0.2378



Protanomaly

36.2160, 0.2748, 0.2269



Deuteranomaly

36.5208, 0.3121, 0.2586



Tritanomaly

37.8568, 0.4100, 0.2884

Monochromacy



Original Color

38.0265, 0.3666, 0.2378



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.6993, 0.3317, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0265, 0.3666, 0.2378 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 207) }
```

Border

The CSS property to change the border of an element to Yxy 38.0265, 0.3666, 0.2378 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, 207) }
```

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

```
.border{ border-color:rgb(255, 115, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0265, 0.3666, 0.2378 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, 207) }
```

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

```
.background{ background-color: rgb(255,  
115, 207) }
```

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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