

Converting Colors

$Y_{xy}(45.4644, 0.3911, 0.2415)$

Have a look what the booklet for
Yxy(45.4644, 0.3911, 0.2415)
contains.

Yxy(38.2009, 0.3580, 0.2298)	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(38.2009, 0.3580, 0.2298)

Conversions

Conversions Part 1

Format	Color
Hex	FF72D7
RGB	255, 114, 215
RGB Percent	100%, 45%, 84%
CMY	0.0001, 0.5528, 0.1569
CMYK	0.00, 0.55, 0.16, 0.00
HSL	317°, 100%, 72%
HSV	317°, 55%, 100%
XYZ	59.5123, 38.2009, 68.5222
YIQ	167.6730, 51.6150, 61.3030

Conversions

Conversions Part 2

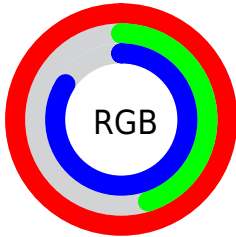
Format	Color
RYB	255, 114, 215
Decimal	16741079
CIELab	68.17, 64.96, -26.27
CIELCh	68, 70.070, 337.979
Yxy	38.2009, 0.3580, 0.2298
Android (android.graphics.Color)	4294931159 (0xFFFF72D7)
YUV	167.6730, 23.3322, 76.5858
Hunter-Lab	61.8069, 63.7111, -22.4671

Details

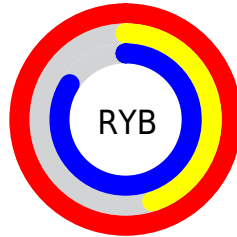
The Yxy color **38.2009, 0.3580, 0.2298** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.4105, 0.2873, 0.4583**, and the grayscale version is **38.8595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6058, 0.3166, 0.2469**, and **16.8725, 0.3684, 0.2057** is the 20% darker color. If you saturate the color by 10%, you get **32.8645, 0.3695, 0.2164**, and if you desaturate by 10%, it is **45.1601, 0.3474, 0.2461**.

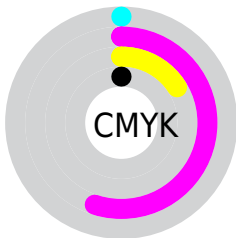
Distribution



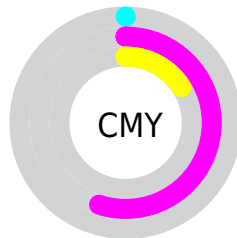
- Red (100%)
- Green (45%)
- Blue (84%)



- Red (100%)
- Yellow (45%)
- Blue (84%)



- Cyan (0%)
- Magenta (55%)
- Yellow (16%)
- Black (0%)




- Cyan (0%)
- Magenta (55%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2009, 0.3580, 0.2298 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 38.2009, 0.3580, 0.2298 by changing the saturation by 10% instead.


 38.2009, 0.3580,
0.2298


 38.2009, 0.3580,
0.2298


338.4810, 0.3368,
0.2763

 26.1387, 0.3628,
0.2192


 72.4160, 0.3506,
0.2460

 16.9274, 0.3688,
0.2061


 95.3376, 0.3478,
0.2523

 10.1827, 0.3763,
0.1896


 122.6477, 0.3453,
0.2577

 5.5203, 0.3859,
0.1683

154.7309, 0.3432,
0.2624

 2.5556, 0.3986,
0.1401

191.9714, 0.3413,
0.2665

 0.9044, 0.4156,
0.1022

234.7536, 0.3396,

 0.0000, 0.4618,

0.2701

0.0000

283.4620, 0.3382,
0.2734

■ 0.0000, 0.4535,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.2009, 0.3580,
0.2298

■ 38.2009, 0.3580,
0.2298

■ 32.8645, 0.3695,
0.2164

■ 45.1601, 0.3474,
0.2461

■ 29.0084, 0.3814,
0.2068

■ 53.8579, 0.3378,
0.2640

■ 26.4745, 0.3934,
0.2020

■ 64.4059, 0.3293,
0.2828

■ 25.0655, 0.4051,
0.2022

■ 76.9047, 0.3219,
0.3015

 24.6575, 0.4106,
0.2035

 91.4477, 0.3156,
0.3197

99.9932, 0.3127,
0.3290

Harmonies

Analogous

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



38.2009, 0.2562, 0.1924



38.2009, 0.3580, 0.2298



38.2009, 0.4603, 0.2864

Triad

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



38.2009, 0.3580, 0.2298



38.2009, 0.4314, 0.4924



38.2009, 0.1464, 0.2528

Complementary

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



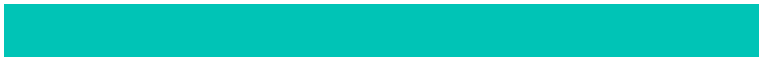
38.2009, 0.3580, 0.2298



77.4105, 0.2873, 0.4583

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.



38.2009, 0.1779, 0.3539



38.2009, 0.3580, 0.2298



38.2009, 0.3406, 0.5238

Square

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



38.2009, 0.3580, 0.2298



38.2009, 0.4976, 0.4245



38.2009, 0.2476, 0.4708



38.2009, 0.1499, 0.1976

Rectangle

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



38.2009, 0.3580, 0.2298



38.2009, 0.5034, 0.3302



38.2009, 0.2476, 0.4708



38.2009, 0.1527, 0.2816

Sweetspot

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



38.2027, 0.3580, 0.2298



74.6254, 0.3231, 0.2983



26.1282, 0.2320, 0.1621



15.4158, 0.3245, 0.2946



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.



38.2027, 0.3580, 0.2298



32.5459, 0.3703, 0.2155



35.3280, 0.4422, 0.2986



18.2073, 0.3182, 0.3121



12.9151, 0.4087, 0.2025



1.2763, 0.3963, 0.1957

Inverse Universe

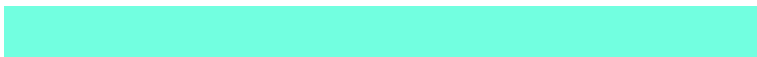
The Inverse Universe completely reimagines the original color for something new.



38.2027, 0.3580, 0.2298



32.5459, 0.3703, 0.2155



80.4823, 0.2554, 0.3657



18.2073, 0.3182, 0.3121



12.9151, 0.4087, 0.2025



1.2763, 0.3963, 0.1957

Previews

White Background



This preview shows how the Yxy color 38.2009, 0.3580, 0.2298 looks on a white background.

Color Contrast Check

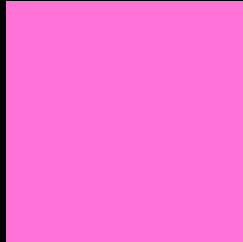
Large Text (above 18pt) WCAG AA × Fail

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 38.2009, 0.3580, 0.2298 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 38.2009, 0.3580, 0.2298

Background



This preview shows how black text looks on a background with the Yxy color 38.2009, 0.3580, 0.2298.

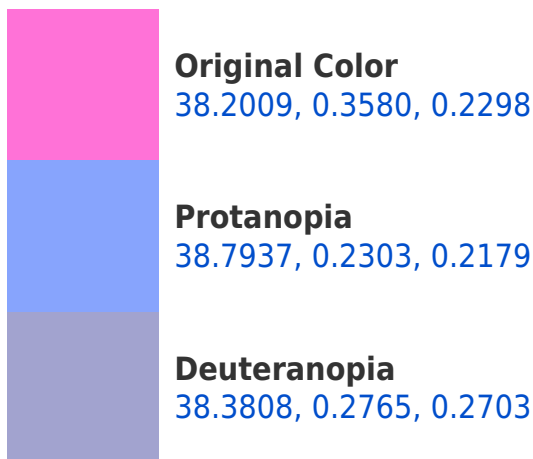


This preview shows how white text looks on a background with the Yxy color 38.2009, 0.3580, 0.2298.

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

37.9298, 0.4308, 0.3187

Trichromacy



Original Color

38.2009, 0.3580, 0.2298



Protanomaly

36.3735, 0.2659, 0.2176



Deuteranomaly

36.6397, 0.3032, 0.2495



Tritanomaly

37.8184, 0.4042, 0.2840

Monochromacy



Original Color

38.2009, 0.3580, 0.2298



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

36.9620, 0.3298, 0.2824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2009, 0.3580, 0.2298 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 215) }
```

Border

The CSS property to change the border of an element to Yxy 38.2009, 0.3580, 0.2298 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, 215) }
```

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

```
.border{ border-color:rgb(255, 114, 215) }
```

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, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2009, 0.3580, 0.2298 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, 215) }
```

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

```
.background{ background-color: rgb(255,  
114, 215) }
```

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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