

Converting Colors

$Yxy(38.8742, 0.3875, 0.2631)$

Have a look what the booklet for
Yxy(38.8742, 0.3875, 0.2631)
contains.

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Color

Yxy(38.7669, 0.3878, 0.2630)

Conversions

Conversions Part 1

Format	Color
Hex	FF7ABB
RGB	255, 122, 187
RGB Percent	100%, 48%, 73%
CMY	0.0001, 0.5215, 0.2667
CMYK	0.00, 0.52, 0.27, 0.00
HSL	331°, 100%, 74%
HSV	331°, 52%, 100%
XYZ	57.1628, 38.7669, 51.4730
YIQ	169.1770, 58.4030, 48.4110

Conversions

Conversions Part 2

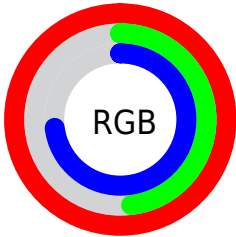
Format	Color
RYB	255, 122, 187
Decimal	16743099
CIELab	68.58, 57.47, -9.97
CIElCh	69, 58.328, 350.158
Yxy	38.7669, 0.3878, 0.2630
Android (android.graphics.Color)	4294933179 (0xFFFF7ABB)
YUV	169.1770, 8.7867, 75.2668
Hunter-Lab	62.2631, 54.9177, -5.4310

Details

The Yxy color **38.7669, 0.3878, 0.2630** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **79.3672, 0.2740, 0.4097**, and the grayscale version is **39.7052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5719, 0.3255, 0.2644**, and **17.2198, 0.4088, 0.2448** is the 20% darker color. If you saturate the color by 10%, you get **32.7725, 0.4103, 0.2532**, and if you desaturate by 10%, it is **46.4582, 0.3679, 0.2749**.

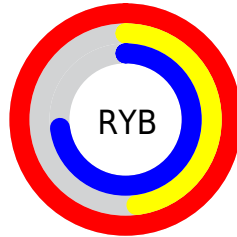
Distribution



Red (100%)

Green (48%)

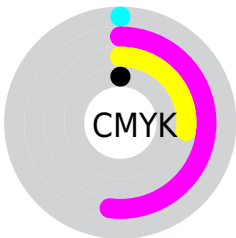
Blue (73%)



Red (100%)

Yellow (48%)

Blue (73%)

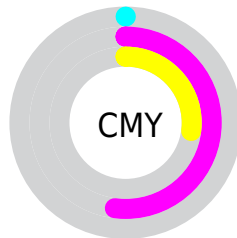


Cyan (0%)

Magenta (52%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (52%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7669, 0.3878, 0.2630 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 38.7669, 0.3878, 0.2630 by changing the saturation by 10% instead.


 38.7669, 0.3878,
0.2630


 38.7669, 0.3878,
0.2630


340.8984, 0.3501,
0.2953

 26.5784, 0.3972,
0.2552


 73.2821, 0.3741,
0.2746

 17.2569, 0.4093,
0.2453


 96.3776, 0.3689,
0.2790

 10.4178, 0.4254,
0.2324


 123.8776, 0.3646,
0.2827

 5.6768, 0.4478,
0.2149

156.1664, 0.3608,
0.2859

 2.6496, 0.4807,
0.1901

193.6286, 0.3576,
0.2888

 0.9517, 0.5333,
0.1529

236.6483, 0.3548,

 0.0000, 0.7157,

0.2912

0.0000

285.6102, 0.3523,
0.2934

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

38.7669, 0.3878,
0.2630

38.7669, 0.3878,
0.2630

32.7725, 0.4103,
0.2532

46.4582, 0.3679,
0.2749

28.3364, 0.4349,
0.2469

55.9592, 0.3509,
0.2879

25.3078, 0.4607,
0.2453

67.3793, 0.3365,
0.3012

23.5023, 0.4860,
0.2492

80.8180, 0.3245,
0.3141

■ 22.7265, 0.5051,
0.2556

■ 96.3674, 0.3146,
0.3265

99.9967, 0.3127,
0.3290

Harmonies

Analogous

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



38.7669, 0.2987, 0.2220



38.7669, 0.3878, 0.2630



38.7669, 0.4600, 0.3181

Triad

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



38.7669, 0.3878, 0.2630



38.7669, 0.3879, 0.4838



38.7669, 0.1668, 0.2428

Complementary

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



38.7669, 0.3878, 0.2630



79.3672, 0.2740, 0.4097

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.



38.7669, 0.1830, 0.3137



38.7669, 0.3878, 0.2630



38.7669, 0.3070, 0.4786

Square

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



38.7669, 0.3878, 0.2630



38.7669, 0.4534, 0.4400



38.7669, 0.2320, 0.4084



38.7669, 0.1813, 0.2073

Rectangle

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



38.7669, 0.3878, 0.2630



38.7669, 0.4818, 0.3586



38.7669, 0.2320, 0.4084



38.7669, 0.1687, 0.2625

Sweetspot

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



38.7688, 0.3878, 0.2630



75.4026, 0.3289, 0.3092



31.8993, 0.2605, 0.1811



15.5462, 0.3313, 0.3065



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.



38.7688, 0.3878, 0.2630



32.3386, 0.4123, 0.2525



36.5875, 0.4656, 0.3295



18.1350, 0.3217, 0.3174



11.9069, 0.5013, 0.2535



1.1813, 0.4752, 0.2392

Inverse Universe

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



38.7688, 0.3878, 0.2630



32.3386, 0.4123, 0.2525



82.8673, 0.2453, 0.3288



18.1350, 0.3217, 0.3174



11.9069, 0.5013, 0.2535



1.1813, 0.4752, 0.2392

Previews

White Background



This preview shows how the Yxy color 38.7669, 0.3878, 0.2630 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 38.7669, 0.3878, 0.2630 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 38.7669, 0.3878, 0.2630

Background



This preview shows how black text looks on a background with the Yxy color 38.7669, 0.3878, 0.2630.



This preview shows how white text looks on a background with the Yxy color 38.7669, 0.3878, 0.2630.

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

38.7669, 0.3878, 0.2630

Protanopia

39.1989, 0.2651, 0.2627

Deuteranopia

38.9547, 0.3119, 0.3061



Tritanopia

38.6649, 0.4347, 0.3189

Trichromacy



Original Color

38.7669, 0.3878, 0.2630



Protanomaly

37.2968, 0.3028, 0.2601



Deuteranomaly

37.7205, 0.3377, 0.2857



Tritanomaly

38.6024, 0.4170, 0.2979

Monochromacy



Original Color

38.7669, 0.3878, 0.2630



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.8704, 0.3380, 0.2985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7669, 0.3878, 0.2630 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, 122, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 187)  
}
```

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, 122, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 187) }
```

Border

The CSS property to change the border of an element to Yxy 38.7669, 0.3878, 0.2630 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, 122, 187) }
```

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

```
.border{ border-color:rgb(255, 122, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 122, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7669, 0.3878, 0.2630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 187) }
```

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

```
.background{ background-color: rgb(255,  
122, 187) }
```

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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