

Converting Colors

$Y_{xy}(42.2480, 0.4091, 0.2724)$

Have a look what the booklet for
Yxy(42.2480, 0.4091, 0.2724)
contains.

Yxy(38.8448, 0.3922, 0.2679)	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(38.8448, 0.3922, 0.2679)

Conversions

Conversions Part 1

Format	Color
Hex	FF7BB7
RGB	255, 123, 183
RGB Percent	100%, 48%, 72%
CMY	0.0000, 0.5176, 0.2825
CMYK	0.00, 0.52, 0.28, 0.00
HSL	333°, 100%, 74%
HSV	333°, 52%, 100%
XYZ	56.8680, 38.8448, 49.2846
YIQ	169.3080, 59.4120, 46.6440

Conversions

Conversions Part 2

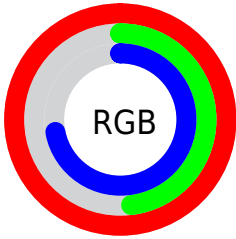
Format	Color
R _Y B	255, 123, 183
Decimal	16743351
CIE Lab	68.64, 56.50, -7.63
CIE LCh	69, 57.012, 352.307
Yxy	38.8448, 0.3922, 0.2679
Android (android.graphics.Color)	4294933431 (0xFFFF7BB7)
YUV	169.3080, 6.7502, 75.1519
Hunter-Lab	62.3256, 53.7996, -3.2563

Details

The Yxy color **38.8448, 0.3922, 0.2679** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.6737, 0.2721, 0.4031**, and the grayscale version is **39.7817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7322, 0.3285, 0.2690**, and **17.2281, 0.4154, 0.2507** is the 20% darker color. If you saturate the color by 10%, you get **32.7710, 0.4165, 0.2588**, and if you desaturate by 10%, it is **46.6268, 0.3709, 0.2790**.

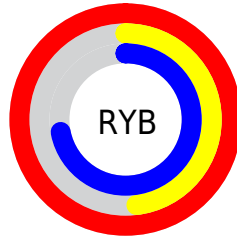
Distribution



Red (100%)

Green (48%)

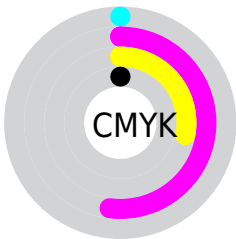
Blue (72%)



Red (100%)

Yellow (48%)

Blue (72%)

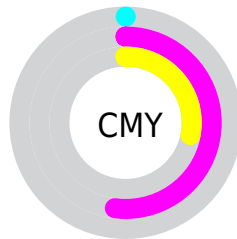


Cyan (0%)

Magenta (52%)

Yellow (28%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8448, 0.3922, 0.2679 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 38.8448, 0.3922, 0.2679 by changing the saturation by 10% instead.


 38.8448, 0.3922,
0.2679


 38.8448, 0.3922,
0.2679


341.2302, 0.3520,
0.2981


 26.6390, 0.4023,
0.2605


 73.4012, 0.3775,
0.2788

 17.3023, 0.4153,
0.2511


 96.5205, 0.3720,
0.2829

 10.4503, 0.4327,
0.2388


 124.0466, 0.3674,
0.2864

 5.6985, 0.4569,
0.2220

156.3636, 0.3634,
0.2894

 2.6626, 0.4928,
0.1980

193.8561, 0.3600,
0.2920

 0.9583, 0.5508,
0.1612

236.9084, 0.3570,

 0.0000, 0.7788,

0.2943

0.0000

285.9050, 0.3544,
0.2963

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.8448, 0.3922,
0.2679

■ 38.8448, 0.3922,
0.2679

■ 32.7710, 0.4165,
0.2588

■ 46.6268, 0.3709,
0.2790

■ 28.2675, 0.4431,
0.2531

■ 56.2299, 0.3527,
0.2912

■ 25.1840, 0.4710,
0.2521

■ 67.7637, 0.3375,
0.3035

■ 23.3371, 0.4985,
0.2565

■ 81.3272, 0.3248,
0.3156

■ 22.5173, 0.5198,
0.2637

■ 97.0129, 0.3144,
0.3271

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.



38.8448, 0.3052, 0.2263



38.8448, 0.3922, 0.2679



38.8448, 0.4601, 0.3228

Triad

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



38.8448, 0.3922, 0.2679



38.8448, 0.3813, 0.4820



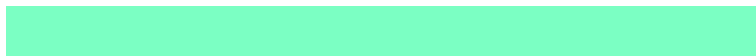
38.8448, 0.1696, 0.2412

Complementary

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



38.8448, 0.3922, 0.2679



79.6737, 0.2721, 0.4031

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.



38.8448, 0.1834, 0.3083



38.8448, 0.3922, 0.2679



38.8448, 0.3018, 0.4718

Square

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



38.8448, 0.3922, 0.2679



38.8448, 0.4471, 0.4421



38.8448, 0.2294, 0.3999



38.8448, 0.1859, 0.2084

Rectangle

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



38.8448, 0.3922, 0.2679



38.8448, 0.4789, 0.3629



38.8448, 0.2294, 0.3999



38.8448, 0.1707, 0.2597

Sweetspot

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



38.8466, 0.3922, 0.2679



75.3225, 0.3299, 0.3106



32.7797, 0.2647, 0.1837



15.5271, 0.3325, 0.3081



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.



38.8466, 0.3922, 0.2679



32.6451, 0.4171, 0.2587



37.9756, 0.4612, 0.3339



18.1243, 0.3223, 0.3182



11.7950, 0.5158, 0.2615



1.1701, 0.4880, 0.2462

Inverse Universe

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



38.8466, 0.3922, 0.2679



32.6451, 0.4171, 0.2587



80.1768, 0.2447, 0.3237



18.1243, 0.3223, 0.3182



11.7950, 0.5158, 0.2615



1.1701, 0.4880, 0.2462

Previews

White Background



This preview shows how the Yxy color 38.8448, 0.3922, 0.2679 looks on a white background.

Color Contrast Check

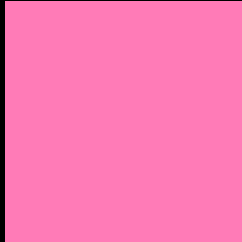
Large Text (above 18pt) WCAG AA × Fail

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 38.8448, 0.3922, 0.2679 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 38.8448, 0.3922, 0.2679

Background



This preview shows how black text looks on a background with the Yxy color 38.8448, 0.3922, 0.2679.

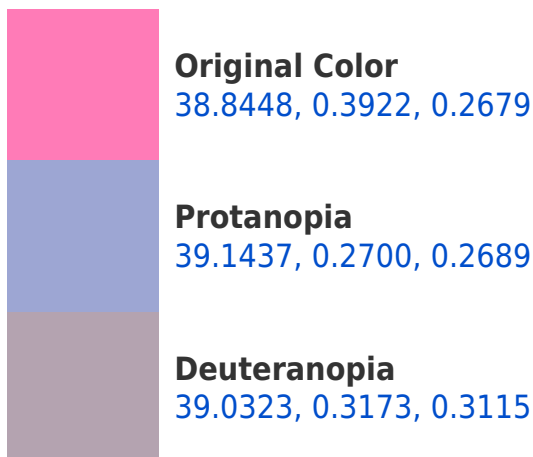


This preview shows how white text looks on a background with the Yxy color 38.8448, 0.3922, 0.2679.

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

38.6649, 0.4347, 0.3189

Trichromacy



Original Color

38.8448, 0.3922, 0.2679



Protanomaly

37.3672, 0.3081, 0.2650



Deuteranomaly

37.6999, 0.3427, 0.2906



Tritanomaly

38.5341, 0.4193, 0.3000

Monochromacy



Original Color

38.8448, 0.3922, 0.2679



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.7918, 0.3400, 0.3010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8448, 0.3922, 0.2679 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, 123, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 183)  
}
```

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, 123, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 183) }
```

Border

The CSS property to change the border of an element to Yxy 38.8448, 0.3922, 0.2679 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, 123, 183) }
```

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

```
.border{ border-color:rgb(255, 123, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8448, 0.3922, 0.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 183) }
```

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

```
.background{ background-color: rgb(255,  
123, 183) }
```

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