

Converting Colors

$Y_{xy}(38.8940, 0.3719, 0.2471)$

Have a look what the booklet for
Yxy(38.8940, 0.3719, 0.2471)
contains.

Yxy(38.9100, 0.3724, 0.2477)	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(38.9100, 0.3724, 0.2477)

Conversions

Conversions Part 1

Format	Color
Hex	FF78C9
RGB	255, 120, 201
RGB Percent	100%, 47%, 79%
CMY	0.0000, 0.5294, 0.2118
CMYK	0.00, 0.53, 0.21, 0.00
HSL	324°, 100%, 74%
HSV	324°, 53%, 100%
XYZ	58.4985, 38.9100, 59.6767
YIQ	169.5990, 54.4590, 53.8110

Conversions

Conversions Part 2

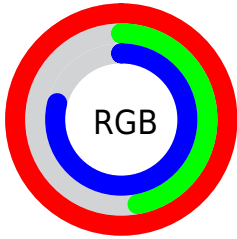
Format	Color
R_{YB}	255, 120, 201
Decimal	16742601
CIE _{Lab}	68.69, 60.28, -17.66
CIE _{LCh}	69, 62.818, 343.670
Yxy	38.9100, 0.3724, 0.2477
Android (android.graphics.Color)	4294932681 (0xFFFF78C9)
YUV	169.5990, 15.4807, 74.8967
Hunter-Lab	62.3779, 58.2376, -13.0580

Details

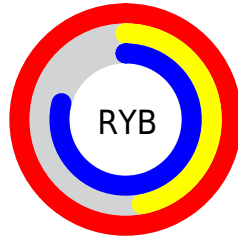
The Yxy color **38.9100, 0.3724, 0.2477** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.5705, 0.2807, 0.4311**, and the grayscale version is **39.8908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **17.2637, 0.3878, 0.2266** is the 20% darker color. If you saturate the color by 10%, you get **33.1081, 0.3892, 0.2357**, and if you desaturate by 10%, it is **46.3790, 0.3573, 0.2621**.

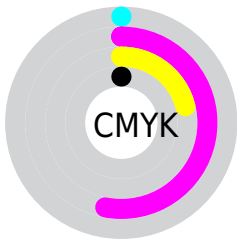
Distribution



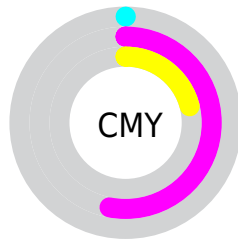
- Red (100%)
- Green (47%)
- Blue (79%)



- Red (100%)
- Yellow (47%)
- Blue (79%)



- Cyan (0%)
- Magenta (53%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (53%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9100, 0.3724, 0.2477 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 38.9100, 0.3724, 0.2477 by changing the saturation by 10% instead.

 38.9100, 0.3724,
0.2477


 38.9100, 0.3724,
0.2477


341.5077, 0.3432,
0.2866


 26.6897, 0.3795,
0.2386


 73.5008, 0.3619,
0.2614

 17.3403, 0.3884,
0.2272


 96.6401, 0.3580,
0.2667

 10.4774, 0.4001,
0.2126


 124.1879, 0.3546,
0.2712

 5.7166, 0.4158,
0.1933

156.5286, 0.3517,
0.2751

 2.6736, 0.4382,
0.1669

194.0465, 0.3491,
0.2785

 0.9638, 0.4722,
0.1292

237.1260, 0.3469,

 0.0000, 0.5704,

0.2815

0.0000

286.1516, 0.3449,
0.2842

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.9100, 0.3724,
0.2477

■ 38.9100, 0.3724,
0.2477

■ 33.1081, 0.3892,
0.2357

■ 46.3790, 0.3573,
0.2621

■ 28.8362, 0.4073,
0.2274


■ 55.6302, 0.3440,
0.2777


■ 25.9415, 0.4261,
0.2237

■ 66.7726, 0.3326,
0.2937

■ 24.2370, 0.4446,
0.2254

■ 79.9055, 0.3229,
0.3095

 23.5589, 0.4573,
0.2293

 95.1210, 0.3148,
0.3247

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.



38.9100, 0.2782, 0.2090



38.9100, 0.3724, 0.2477



38.9100, 0.4579, 0.3030

Triad

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



38.9100, 0.3724, 0.2477



38.9100, 0.4086, 0.4869



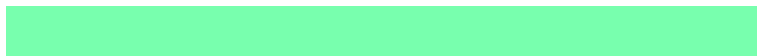
38.9100, 0.1589, 0.2491

Complementary

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



38.9100, 0.3724, 0.2477



78.5705, 0.2807, 0.4311

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.



38.9100, 0.1827, 0.3328



38.9100, 0.3724, 0.2477



38.9100, 0.3242, 0.4985

Square

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



38.9100, 0.3724, 0.2477



38.9100, 0.4730, 0.4319



38.9100, 0.2412, 0.4362



38.9100, 0.1675, 0.2045

Rectangle

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



38.9100, 0.3724, 0.2477



38.9100, 0.4896, 0.3447



38.9100, 0.2412, 0.4362



38.9100, 0.1630, 0.2728

Sweetspot

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



38.9113, 0.3724, 0.2477



75.6672, 0.3257, 0.3048



29.6541, 0.2484, 0.1745



15.6092, 0.3277, 0.3015



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.



38.9113, 0.3724, 0.2477



32.5843, 0.3911, 0.2346



36.4024, 0.4531, 0.3158



18.1701, 0.3200, 0.3148



12.3403, 0.4545, 0.2277



1.2231, 0.4350, 0.2170

Inverse Universe

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



38.9113, 0.3724, 0.2477



32.5843, 0.3911, 0.2346



81.8945, 0.2502, 0.3446



18.1701, 0.3200, 0.3148



12.3403, 0.4545, 0.2277



1.2231, 0.4350, 0.2170

Previews

White Background



This preview shows how the Yxy color 38.9100, 0.3724, 0.2477 looks on a white background.

Color Contrast Check

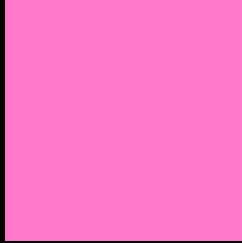
Large Text (above 18pt) WCAG AA × Fail

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 38.9100, 0.3724, 0.2477 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 38.9100, 0.3724, 0.2477

Background



This preview shows how black text looks on a background with the Yxy color 38.9100, 0.3724, 0.2477.



This preview shows how white text looks on a background with the Yxy color 38.9100, 0.3724, 0.2477.

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

38.9100, 0.3724, 0.2477

Protanopia

39.4160, 0.2482, 0.2414

Deuteranopia

39.2166, 0.2949, 0.2889



Tritanopia

38.8678, 0.4306, 0.3198

Trichromacy



Original Color

38.9100, 0.3724, 0.2477



Protanomaly

37.2079, 0.2844, 0.2395



Deuteranomaly

37.7676, 0.3204, 0.2687



Tritanomaly

38.5919, 0.4101, 0.2925

Monochromacy



Original Color

38.9100, 0.3724, 0.2477



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.2102, 0.3341, 0.2924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9100, 0.3724, 0.2477 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, 120, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 201)  
}
```

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, 120, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 201) }
```

Border

The CSS property to change the border of an element to Yxy 38.9100, 0.3724, 0.2477 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, 120, 201) }
```

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

```
.border{ border-color:rgb(255, 120, 201) }
```

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

Here you see how a box with a 4 pixel rgb(255, 120, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9100, 0.3724, 0.2477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 201) }
```

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

```
.background{ background-color: rgb(255,  
120, 201) }
```

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