

Converting Colors

$Y_{xy}(48.2781, 0.3358, 0.2436)$

Have a look what the booklet for
Yxy(48.2781, 0.3358, 0.2436)
contains.

Yxy(48.3803, 0.3355, 0.2435)	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(48.3803, 0.3355, 0.2435)

Conversions

Conversions Part 1

Format	Color
Hex	FF94EA
RGB	255, 148, 234
RGB Percent	100%, 58%, 92%
CMY	0.0003, 0.4194, 0.0825
CMYK	0.00, 0.42, 0.08, 0.00
HSL	312°, 100%, 79%
HSV	312°, 42%, 100%
XYZ	66.6595, 48.3803, 83.6473
YIQ	189.7970, 36.1660, 49.4300

Conversions

Conversions Part 2

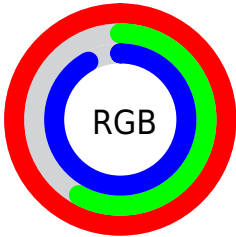
Format	Color
R _Y B	255, 148, 234
Decimal	16749802
CIE Lab	75.06, 51.72, -26.17
CIE LCh	75, 57.958, 333.163
Yxy	48.3803, 0.3355, 0.2435
Android (android.graphics.Color)	4294939882 (0xFFFF94EA)
YUV	189.7970, 21.7921, 57.1830
Hunter-Lab	69.5559, 49.3440, -22.6124

Details

The Yxy color **48.3803, 0.3355, 0.2435** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.6429, 0.2964, 0.4336**, and the grayscale version is **51.2304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6657, 0.3151, 0.2792**, and **22.9555, 0.3396, 0.2240** is the 20% darker color. If you saturate the color by 10%, you get **40.9598, 0.3426, 0.2250**, and if you desaturate by 10%, it is **57.5745, 0.3290, 0.2636**.

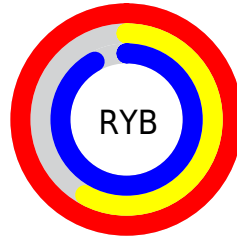
Distribution



Red (100%)

Green (58%)

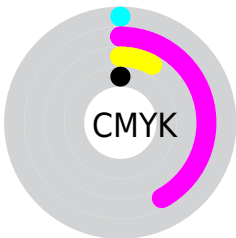
Blue (92%)



Red (100%)

Yellow (58%)

Blue (92%)

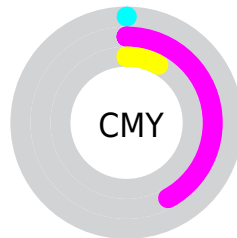


Cyan (0%)

Magenta (42%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3803, 0.3355, 0.2435 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 48.3803, 0.3355, 0.2435 by changing the saturation by 10% instead.


 48.3803, 0.3355,
0.2435

 48.3803, 0.3355,
0.2435


380.2976, 0.3256,
0.2826

 34.1282, 0.3376,
0.2347

 87.7704, 0.3322,
0.2569

 22.9921, 0.3400,
0.2240


 113.6771, 0.3309,
0.2622

 14.5876, 0.3429,
0.2107


144.2374, 0.3297,
0.2668

 8.5305, 0.3465,
0.1935

179.8358, 0.3287,
0.2707

 4.4362, 0.3507,
0.1710

220.8566, 0.3278,
0.2742

 1.9205, 0.3555,
0.1404

267.6842, 0.3270,

 0.5606, 0.3619,

0.2773

0.0922

320.7031, 0.3263,
0.2801

0.0000, 0.3709,
0.0000

0.0000, 0.0000,
0.0000

48.3803, 0.3355,
0.2435

48.3803, 0.3355,
0.2435

40.9598, 0.3426,
0.2250

57.5745, 0.3290,
0.2636

35.1894, 0.3502,
0.2091

68.6419, 0.3231,
0.2844

30.9402, 0.3580,
0.1968

81.6828, 0.3180,
0.3052

28.0614, 0.3657,
0.1889

96.7881, 0.3135,
0.3252

■ 26.3710, 0.3732,
0.1858

99.9873, 0.3127,
0.3290

■ 25.6523, 0.3790,
0.1862

Harmonies

Analogous

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



48.3803, 0.2585, 0.2154



48.3803, 0.3355, 0.2435



48.3803, 0.4151, 0.2891

Triad

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



48.3803, 0.3355, 0.2435



48.3803, 0.4213, 0.4542



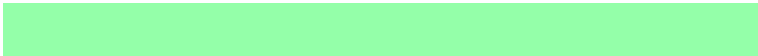
48.3803, 0.1812, 0.2833

Complementary

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



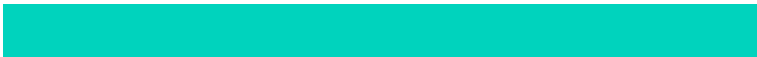
48.3803, 0.3355, 0.2435



80.6429, 0.2964, 0.4336

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.



48.3803, 0.2145, 0.3642



48.3803, 0.3355, 0.2435



48.3803, 0.3520, 0.4768

Square

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



48.3803, 0.3355, 0.2435



48.3803, 0.4648, 0.4029



48.3803, 0.2762, 0.4440



48.3803, 0.1784, 0.2309

Rectangle

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



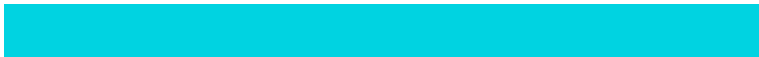
48.3803, 0.3355, 0.2435



48.3803, 0.4532, 0.3255



48.3803, 0.2762, 0.4440



48.3803, 0.1888, 0.3078

Sweetspot

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



48.3825, 0.3355, 0.2435



80.2313, 0.3185, 0.3030



36.6980, 0.2474, 0.2031



16.5294, 0.3196, 0.2984



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.



48.3825, 0.3355, 0.2435



42.2813, 0.3412, 0.2284



45.8166, 0.3864, 0.2938



18.2357, 0.3168, 0.3101



13.4335, 0.3779, 0.1855



1.3228, 0.3701, 0.1813

Inverse Universe

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



48.3825, 0.3355, 0.2435



42.2813, 0.3412, 0.2284



83.0030, 0.2709, 0.3684



18.2357, 0.3168, 0.3101



13.4335, 0.3779, 0.1855



1.3228, 0.3701, 0.1813

Previews

White Background



This preview shows how the Yxy color 48.3803, 0.3355, 0.2435 looks on a white background.

Color Contrast Check

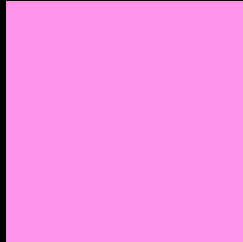
Large Text (above 18pt) WCAG AA × Fail

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 48.3803, 0.3355, 0.2435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

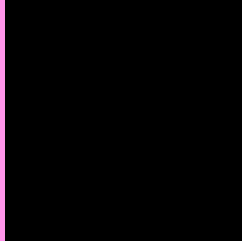
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3803, 0.3355, 0.2435

Background



This preview shows how black text looks on a background with the Yxy color 48.3803, 0.3355, 0.2435.



This preview shows how white text looks on a background with the Yxy color 48.3803, 0.3355, 0.2435.

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

48.3803, 0.3355, 0.2435

Protanopia

48.8735, 0.2500, 0.2439

Deuteranopia

48.4729, 0.2782, 0.2720



Tritanopia

48.4633, 0.3850, 0.3163

Trichromacy



Original Color

48.3803, 0.3355, 0.2435



Protanomaly

47.2006, 0.2760, 0.2416



Deuteranomaly

47.4990, 0.2975, 0.2594



Tritanomaly

48.2263, 0.3674, 0.2880

Monochromacy



Original Color

48.3803, 0.3355, 0.2435



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.4123, 0.3213, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3803, 0.3355, 0.2435 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, 148, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 234)  
}
```

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, 148, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 234) }
```

Border

The CSS property to change the border of an element to Yxy 48.3803, 0.3355, 0.2435 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, 148, 234) }
```

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

```
.border{ border-color:rgb(255, 148, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 148, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3803, 0.3355, 0.2435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 234) }
```

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

```
.background{ background-color: rgb(255,  
148, 234) }
```

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