

Converting Colors

$Y_{xy}(100.0000, 0.4553, 0.2751)$

Have a look what the booklet for
Yxy(100.0000, 0.4553, 0.2751)
contains.

Yxy(50.3703, 0.3248, 0.2368)	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(50.3703, 0.3248, 0.2368)

Conversions

Conversions Part 1

Format	Color
Hex	FF98F6
RGB	255, 152, 246
RGB Percent	100%, 60%, 96%
CMY	0.0002, 0.4038, 0.0354
CMYK	0.00, 0.40, 0.04, 0.00
HSL	305°, 100%, 80%
HSV	305°, 40%, 100%
XYZ	69.0890, 50.3703, 93.2531
YIQ	193.5130, 31.2140, 51.0700

Conversions

Conversions Part 2

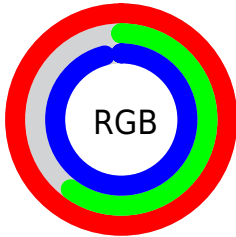
Format	Color
RYB	255, 152, 246
Decimal	16750838
CIELab	76.30, 51.74, -30.80
CIElCh	76, 60.213, 329.234
Yxy	50.3703, 0.3248, 0.2368
Android (android.graphics.Color)	4294940918 (0xFFFF98F6)
YUV	193.5130, 25.8761, 53.9241
Hunter-Lab	70.9720, 49.5629, -28.2232

Details

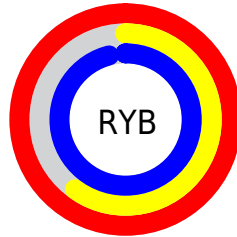
The Yxy color **50.3703, 0.3248, 0.2368** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.7470, 0.3025, 0.4430**, and the grayscale version is **53.4798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5918, 0.3149, 0.2831**, and **24.2798, 0.3273, 0.2172** is the 20% darker color. If you saturate the color by 10%, you get **42.8289, 0.3283, 0.2162**, and if you desaturate by 10%, it is **59.6965, 0.3214, 0.2592**.

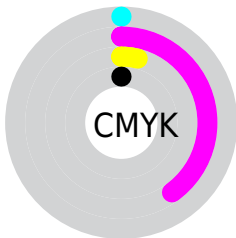
Distribution



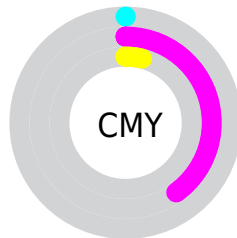
- Red (100%)
- Green (60%)
- Blue (96%)



- Red (100%)
- Yellow (60%)
- Blue (96%)



- Cyan (0%)
- Magenta (40%)
- Yellow (4%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3703, 0.3248, 0.2368 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 50.3703, 0.3248, 0.2368 by changing the saturation by 10% instead.


 50.3703, 0.3248,
0.2368


 50.3703, 0.3248,
0.2368


388.1123, 0.3204,
0.2784

 35.7077, 0.3255,
0.2276


 90.7233, 0.3235,
0.2510

 24.2085, 0.3262,
0.2165


 117.1825, 0.3229,
0.2566

 15.4884, 0.3269,
0.2027


148.3427, 0.3224,
0.2614

 9.1629, 0.3274,
0.1853

184.5882, 0.3219,
0.2656

 4.8476, 0.3273,
0.1628

226.3036, 0.3215,
0.2694

 2.1581, 0.3257,
0.1328

273.8731, 0.3211,

 0.6970, 0.3202,

0.2727

0.0908

327.6812, 0.3207,
0.2757

0.0000, 0.3134,
0.0000

0.0000, 0.0000,
0.0000

50.3703, 0.3248,
0.2368

50.3703, 0.3248,
0.2368

42.8289, 0.3283,
0.2162

59.6965, 0.3214,
0.2592

36.9506, 0.3319,
0.1983

70.9057, 0.3183,
0.2824

32.6091, 0.3355,
0.1842

84.0967, 0.3154,
0.3056

29.6572, 0.3388,
0.1743

99.3597, 0.3128,
0.3282

■ 27.9187, 0.3419,
0.1688

99.9925, 0.3127,
0.3290

■ 27.1194, 0.3446,
0.1672

Harmonies

Analogous

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



50.3703, 0.2484, 0.2110



50.3703, 0.3248, 0.2368



50.3703, 0.4079, 0.2812

Triad

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



50.3703, 0.3248, 0.2368



50.3703, 0.4312, 0.4509



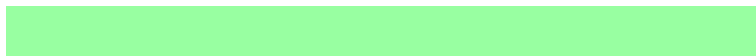
50.3703, 0.1811, 0.2914

Complementary

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



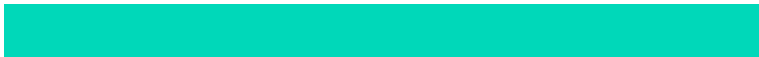
50.3703, 0.3248, 0.2368



80.7470, 0.3025, 0.4430

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.



50.3703, 0.2190, 0.3769



50.3703, 0.3248, 0.2368



50.3703, 0.3626, 0.4803

Square

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



50.3703, 0.3248, 0.2368



50.3703, 0.4711, 0.3963



50.3703, 0.2849, 0.4552



50.3703, 0.1744, 0.2336

Rectangle

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



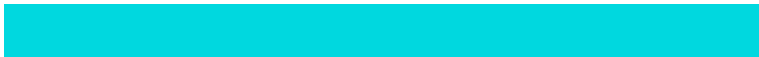
50.3703, 0.3248, 0.2368



50.3703, 0.4506, 0.3175



50.3703, 0.2849, 0.4552



50.3703, 0.1901, 0.3177

Sweetspot

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



50.3726, 0.3248, 0.2368



81.8358, 0.3158, 0.3018



37.2217, 0.2431, 0.2061



17.1319, 0.3162, 0.2988



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.



50.3726, 0.3248, 0.2368



44.4769, 0.3275, 0.2209



47.6565, 0.3720, 0.2846



18.2714, 0.3151, 0.3076



14.1868, 0.3442, 0.1670



1.3890, 0.3412, 0.1653

Inverse Universe

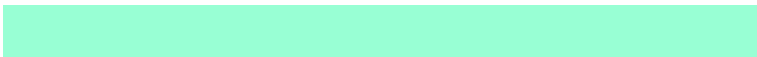
The Inverse Universe completely reimagines the original color for something new.



50.3726, 0.3248, 0.2368



44.4769, 0.3275, 0.2209



82.9305, 0.2771, 0.3792



18.2714, 0.3151, 0.3076



14.1868, 0.3442, 0.1670



1.3890, 0.3412, 0.1653

Previews

White Background



This preview shows how the Yxy color 50.3703, 0.3248, 0.2368 looks on a white background.

Color Contrast Check

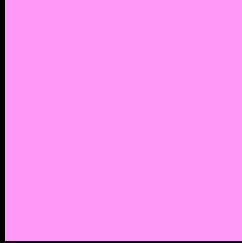
Large Text (above 18pt) WCAG AA × Fail

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 50.3703, 0.3248, 0.2368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

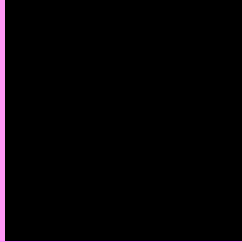
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3703, 0.3248, 0.2368

Background



This preview shows how black text looks on a background with the Yxy color 50.3703, 0.3248, 0.2368.



This preview shows how white text looks on a background with the Yxy color 50.3703, 0.3248, 0.2368.

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

50.3703, 0.3248, 0.2368

Protanopia

50.6626, 0.2536, 0.2483

Deuteranopia

50.6925, 0.2702, 0.2639



Tritanopia

50.3013, 0.3767, 0.3151

Trichromacy



Original Color

50.3703, 0.3248, 0.2368



Protanomaly

49.5797, 0.2760, 0.2421



Deuteranomaly

49.5633, 0.2881, 0.2518



Tritanomaly

50.1255, 0.3578, 0.2849

Monochromacy



Original Color

50.3703, 0.3248, 0.2368



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

51.6432, 0.3171, 0.2901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3703, 0.3248, 0.2368 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, 152, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 246)  
}
```

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, 152, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 246) }
```

Border

The CSS property to change the border of an element to Yxy 50.3703, 0.3248, 0.2368 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, 152, 246) }
```

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

```
.border{ border-color:rgb(255, 152, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3703, 0.3248, 0.2368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 246) }
```

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

```
.background{ background-color: rgb(255,  
152, 246) }
```

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