

# Converting Colors

$Yxy(51.7856, 0.3868, 0.3191)$

Have a look what the booklet for  
Yxy(51.7856, 0.3868, 0.3191)  
contains.

<b>Yxy(51.6670, 0.3868, 0.3187)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(51.6670, 0.3868, 0.3187)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA6B0
RGB	255, 166, 176
RGB Percent	100%, 65%, 69%
CMY	0.0001, 0.3490, 0.3098
CMYK	0.00, 0.35, 0.31, 0.00
HSL	353°, 100%, 83%
HSV	353°, 35%, 100%
XYZ	62.7072, 51.6670, 47.7437
YIQ	193.7510, 49.8340, 21.9780

# Conversions

## Conversions Part 2

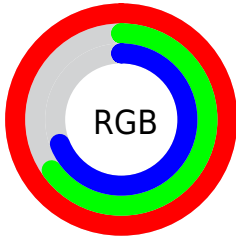
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 166, 176
Decimal	16754352
CIE Lab	77.08, 34.06, 8.54
CIE LCh	77, 35.117, 14.077
Yxy	51.6670, 0.3868, 0.3187
Android (android.graphics.Color)	4294944432 (0xFFFFA6B0)
YUV	193.7510, -8.7512, 53.7154
Hunter-Lab	71.8798, 29.9322, 10.9344

# Details

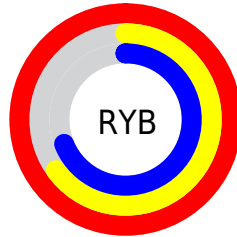
The Yxy color **51.6670, 0.3868, 0.3187** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **86.2077, 0.2680, 0.3399**, and the grayscale version is **53.8263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3287, 0.3296, 0.3191**, and **25.0013, 0.4064, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **42.4764, 0.4199, 0.3159**, and if you desaturate by 10%, it is **62.8495, 0.3596, 0.3218**.

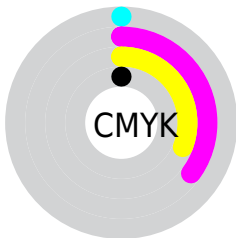
# Distribution



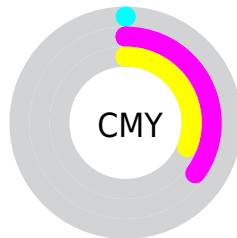
- Red (100%)
- Green (65%)
- Blue (69%)



- Red (100%)
- Yellow (65%)
- Blue (69%)



- Cyan (0%)
- Magenta (35%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (35%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6670, 0.3868, 0.3187 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 51.6670, 0.3868, 0.3187 by changing the saturation by 10% instead.




 51.6670, 0.3868,  
0.3187

 51.6670, 0.3868,  
0.3187


393.1497, 0.3501,  
0.3245

 36.7397, 0.3958,  
0.3171


 92.6400, 0.3736,  
0.3209

 25.0060, 0.4073,  
0.3149


 119.4544, 0.3686,  
0.3217

 16.0815, 0.4224,  
0.3119


151.0000, 0.3643,  
0.3224

 9.5819, 0.4431,  
0.3074

187.6612, 0.3607,  
0.3230

 5.1226, 0.4731,  
0.3003

229.8224, 0.3575,  
0.3234

 2.3194, 0.5198,  
0.2876

277.8680, 0.3547,

 0.7839, 0.6352,

0.3238

0.2749

332.1822, 0.3523,  
0.3242

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

51.6670, 0.3868,  
0.3187

51.6670, 0.3868,  
0.3187

42.4764, 0.4199,  
0.3159

62.8495, 0.3596,  
0.3218

35.1539, 0.4591,  
0.3137

76.1236, 0.3376,  
0.3248

29.5730, 0.5030,  
0.3128

91.5911, 0.3200,  
0.3277

25.5890, 0.5482,  
0.3136

99.9961, 0.3127,  
0.3290

■ 23.0332, 0.5889,  
0.3167

■ 21.6992, 0.6189,  
0.3216

■ 21.3429, 0.6293,  
0.3240

# Harmonies

## Analogous

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



51.6670, 0.3453, 0.2851



51.6670, 0.3868, 0.3187



51.6670, 0.4069, 0.3565

# Triad

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



51.6670, 0.3868, 0.3187



51.6670, 0.3228, 0.4100



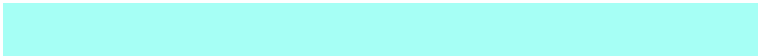
51.6670, 0.2316, 0.2622

# Complementary

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



51.6670, 0.3868, 0.3187



86.2077, 0.2680, 0.3399

# 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.



51.6670, 0.2269, 0.2900



51.6670, 0.3868, 0.3187



51.6670, 0.2771, 0.3796

# Square

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



51.6670, 0.3868, 0.3187



51.6670, 0.3677, 0.4127



51.6670, 0.2428, 0.3333



51.6670, 0.2562, 0.2530



# Rectangle

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



51.6670, 0.3868, 0.3187



51.6670, 0.4048, 0.3805



51.6670, 0.2428, 0.3333



51.6670, 0.2278, 0.2694

# Sweetspot

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



51.6695, 0.3868, 0.3187



83.4226, 0.3285, 0.3262



53.8380, 0.3084, 0.2399



17.3961, 0.3311, 0.3258



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.



51.6695, 0.3868, 0.3187



44.9438, 0.4097, 0.3167



65.3737, 0.3838, 0.3647



18.0202, 0.3277, 0.3264



11.1647, 0.6269, 0.3227



1.0973, 0.6039, 0.3100



# Inverse Universe

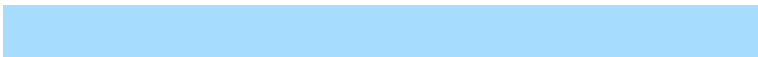
The Inverse Universe completely reimagines the original color for something new.



51.6695, 0.3868, 0.3187



44.9438, 0.4097, 0.3167



66.9755, 0.2581, 0.2900



18.0202, 0.3277, 0.3264



11.1647, 0.6269, 0.3227



1.0973, 0.6039, 0.3100



# Previews

## White Background



This preview shows how the Yxy color 51.6670, 0.3868, 0.3187 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

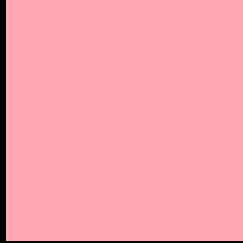
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.6670, 0.3868, 0.3187 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 51.6670, 0.3868, 0.3187**

## Background



This preview shows how black text looks on a background with the Yxy color 51.6670, 0.3868, 0.3187.



This preview shows how white text looks on a background with the Yxy color 51.6670, 0.3868, 0.3187.

# 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

51.6670, 0.3868, 0.3187

### Protanopia

51.9704, 0.3168, 0.3303

### Deuteranopia

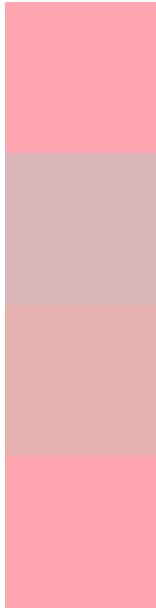
51.8970, 0.3495, 0.3422



## Tritanopia

51.7468, 0.3849, 0.3166

# Trichromacy



## Original Color

51.6670, 0.3868, 0.3187

## Protanomaly

51.1074, 0.3407, 0.3255

## Deuteranomaly

51.3233, 0.3629, 0.3326

## Tritanomaly

51.7068, 0.3859, 0.3176

# Monochromacy



## Original Color

51.6670, 0.3868, 0.3187

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

52.4678, 0.3377, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.6670, 0.3868, 0.3187 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, 166, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 176)  
}
```

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, 166, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 51.6670, 0.3868, 0.3187 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, 166, 176) }
```

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

```
.border{ border-color:rgb(255, 166, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.6670, 0.3868, 0.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 176) }
```

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

```
.background{ background-color: rgb(255,  
166, 176) }
```

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