

# Converting Colors

Yxy(51.3983, 0.3848, 0.3150)

Have a look what the booklet for  
Yxy(51.3983, 0.3848, 0.3150)  
contains.

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# Color

**Yxy(51.3846, 0.3852, 0.3155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA5B2
RGB	255, 165, 178
RGB Percent	100%, 65%, 70%
CMY	0.0000, 0.3530, 0.3018
CMYK	0.00, 0.35, 0.30, 0.00
HSL	351°, 100%, 82%
HSV	351°, 35%, 100%
XYZ	62.7364, 51.3846, 48.7462
YIQ	193.3920, 49.4670, 23.1230

# Conversions

## Conversions Part 2

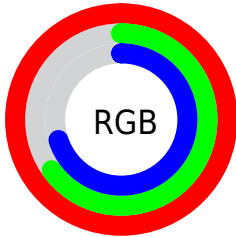
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 165, 178
Decimal	16754098
CIE <sub>Lab</sub>	76.91, 34.86, 7.19
CIE <sub>LCh</sub>	77, 35.596, 11.657
Yxy	51.3846, 0.3852, 0.3155
Android (android.graphics.Color)	4294944178 (0xFFFFA5B2)
YUV	193.3920, -7.5883, 54.0302
Hunter-Lab	71.6831, 30.7765, 9.8596

# Details

The Yxy color **51.3846, 0.3852, 0.3155** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.9279, 0.2689, 0.3434**, and the grayscale version is **53.5949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9134, 0.3283, 0.3161**, and **24.8048, 0.4055, 0.3118** is the 20% darker color. If you saturate the color by 10%, you get **42.2774, 0.4172, 0.3118**, and if you desaturate by 10%, it is **62.4652, 0.3588, 0.3195**.

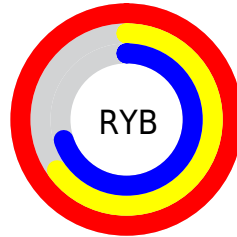
# Distribution



Red (100%)

Green (65%)

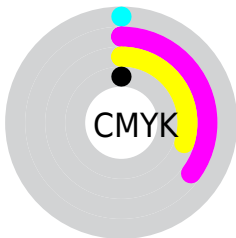
Blue (70%)



Red (100%)

Yellow (65%)

Blue (70%)

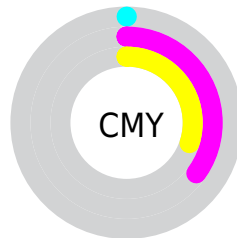


Cyan (0%)

Magenta (35%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (35%)


Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3846, 0.3852, 0.3155 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 51.3846, 0.3852, 0.3155 by changing the saturation by 10% instead.





 51.3846, 0.3852,  
0.3155


 51.3846, 0.3852,  
0.3155


392.0562, 0.3493,  
0.3228

 36.5148, 0.3940,  
0.3136


 92.2230, 0.3722,  
0.3182

 24.8320, 0.4053,  
0.3110


 118.9604, 0.3674,  
0.3192

 15.9520, 0.4200,  
0.3075


150.4225, 0.3632,  
0.3201

 9.4902, 0.4403,  
0.3024

186.9935, 0.3596,  
0.3208

 5.0623, 0.4697,  
0.2944

229.0581, 0.3565,  
0.3214

 2.2838, 0.5158,  
0.2807

277.0004, 0.3538,

 0.7651, 0.6235,

0.3219

0.2630

331.2050, 0.3514,  
0.3224

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

51.3846, 0.3852,  
0.3155

51.3846, 0.3852,  
0.3155

42.2774, 0.4172,  
0.3118

62.4652, 0.3588,  
0.3195

35.0268, 0.4551,  
0.3090

75.6253, 0.3375,  
0.3234

29.5048, 0.4976,  
0.3076

90.9639, 0.3204,  
0.3271

25.5666, 0.5417,  
0.3085

100.0000, 0.3127,  
0.3290

■ 23.0439, 0.5822,  
0.3121

■ 21.7296, 0.6132,  
0.3181

■ 21.3931, 0.6238,  
0.3210

# Harmonies

## Analogous

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



51.3846, 0.3418, 0.2820



51.3846, 0.3852, 0.3155



51.3846, 0.4078, 0.3538

# Triad

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



51.3846, 0.3852, 0.3155



51.3846, 0.3267, 0.4127



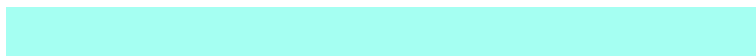
51.3846, 0.2293, 0.2627

# Complementary

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



51.3846, 0.3852, 0.3155



85.9279, 0.2689, 0.3434

# 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.



51.3846, 0.2262, 0.2924



51.3846, 0.3852, 0.3155



51.3846, 0.2800, 0.3838

# Square

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



51.3846, 0.3852, 0.3155



51.3846, 0.3717, 0.4129



51.3846, 0.2439, 0.3372



51.3846, 0.2527, 0.2520



# Rectangle

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



51.3846, 0.3852, 0.3155



51.3846, 0.4071, 0.3784



51.3846, 0.2439, 0.3372



51.3846, 0.2260, 0.2706

# Sweetspot

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



51.3848, 0.3852, 0.3155



81.9410, 0.3297, 0.3250



52.9181, 0.3059, 0.2383



17.1026, 0.3321, 0.3245



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.



51.3848, 0.3852, 0.3155



45.0674, 0.4060, 0.3130



63.6815, 0.3860, 0.3621



18.0299, 0.3271, 0.3256



11.1912, 0.6209, 0.3194



1.1019, 0.5944, 0.3048



# Inverse Universe

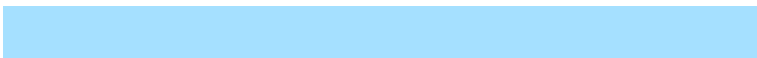
The Inverse Universe completely reimagines the original color for something new.



51.3848, 0.3852, 0.3155



45.0674, 0.4060, 0.3130



68.2615, 0.2579, 0.2930



18.0299, 0.3271, 0.3256



11.1912, 0.6209, 0.3194

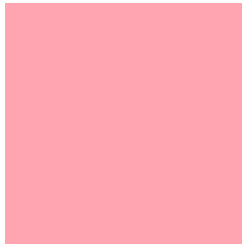


1.1019, 0.5944, 0.3048



# Previews

## White Background



This preview shows how the Yxy color 51.3846, 0.3852, 0.3155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

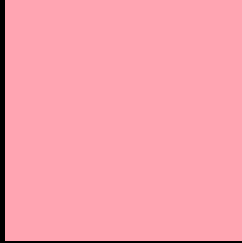
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.3846, 0.3852, 0.3155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

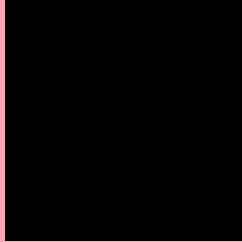
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.3846, 0.3852, 0.3155**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.3846, 0.3852, 0.3155.



This preview shows how white text looks on a background with the Yxy color 51.3846, 0.3852, 0.3155.

# 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

51.3846, 0.3852, 0.3155

### Protanopia

51.5384, 0.3137, 0.3253

### Deuteranopia

51.6723, 0.3460, 0.3399



## Tritanopia

51.3846, 0.3852, 0.3155

# Trichromacy



## Original Color

51.3846, 0.3852, 0.3155



## Protanomaly

50.8293, 0.3384, 0.3208



## Deuteranomaly

51.2369, 0.3602, 0.3303



## Tritanomaly

51.3846, 0.3852, 0.3155

# Monochromacy



## Original Color

51.3846, 0.3852, 0.3155



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

52.0967, 0.3370, 0.3232

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.3846, 0.3852, 0.3155 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, 165, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 178)  
}
```

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, 165, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 51.3846, 0.3852, 0.3155 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, 165, 178) }
```

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

```
.border{ border-color:rgb(255, 165, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 165, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.3846, 0.3852, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 178) }
```

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

```
.background{ background-color: rgb(255,  
165, 178) }
```

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](#).

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