

# Converting Colors

Yxy(53.8047, 0.3786, 0.3166)

Have a look what the booklet for  
Yxy(53.8047, 0.3786, 0.3166)  
contains.

<b>Yxy(53.8047, 0.3786, 0.3166)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(53.8047, 0.3786, 0.3166)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFABB7
RGB	255, 171, 183
RGB Percent	100%, 67%, 72%
CMY	0.0001, 0.3293, 0.2823
CMYK	0.00, 0.33, 0.28, 0.00
HSL	351°, 100%, 84%
HSV	351°, 33%, 100%
XYZ	64.3413, 53.8047, 51.7993
YIQ	197.4840, 46.2120, 21.5400

# Conversions

## Conversions Part 2

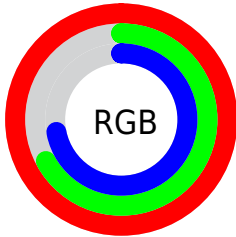
Format	Color
R <sub>Y</sub> B	255, 171, 183
Decimal	16755639
CIE Lab	78.35, 32.35, 6.54
CIE LCh	78, 33.006, 11.427
Yxy	53.8047, 0.3786, 0.3166
Android (android.graphics.Color)	4294945719 (0xFFFFABB7)
YUV	197.4840, -7.1406, 50.4415
Hunter-Lab	73.3517, 28.2080, 9.4769

# Details

The Yxy color **53.8047, 0.3786, 0.3166** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **86.6278, 0.2714, 0.3421**, and the grayscale version is **56.1676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4302, 0.3244, 0.3172**, and **26.4389, 0.3972, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **44.2442, 0.4093, 0.3129**, and if you desaturate by 10%, it is **65.3694, 0.3535, 0.3205**.

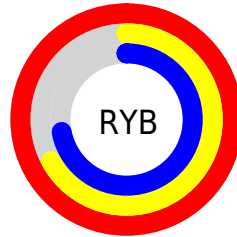
# Distribution



Red (100%)

Green (67%)

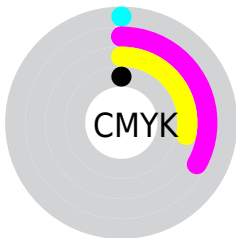
Blue (72%)



Red (100%)

Yellow (67%)

Blue (72%)

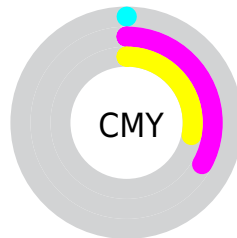


Cyan (0%)

Magenta (33%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (33%)


Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8047, 0.3786, 0.3166 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 53.8047, 0.3786, 0.3166 by changing the saturation by 10% instead.



 53.8047, 0.3786,  
0.3166

 53.8047, 0.3786,  
0.3166


401.3648, 0.3462,  
0.3232

 38.4455, 0.3865,  
0.3149


 95.7874, 0.3670,  
0.3191

 26.3287, 0.3965,  
0.3126

123.1798, 0.3626,  
0.3200

 17.0697, 0.4096,  
0.3095


155.3520, 0.3588,  
0.3207

 10.2842, 0.4275,  
0.3051

192.6885, 0.3556,  
0.3214

 5.5878, 0.4533,  
0.2983

235.5736, 0.3528,  
0.3219

 2.5961, 0.4933,  
0.2869

284.3918, 0.3503,

 0.9247, 0.5718,

0.3224

0.2687

339.5274, 0.3482,  
0.3228

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.8047, 0.3786,  
0.3166

53.8047, 0.3786,  
0.3166

44.2442, 0.4093,  
0.3129

65.3694, 0.3535,  
0.3205

36.5664, 0.4459,  
0.3098

79.0351, 0.3332,  
0.3244

30.6489, 0.4876,  
0.3081

94.9020, 0.3168,  
0.3280

26.3512, 0.5318,  
0.3083

99.9933, 0.3127,  
0.3290

■ 23.5115, 0.5737,  
0.3113

■ 21.9342, 0.6074,  
0.3168

■ 21.3833, 0.6241,  
0.3212

# Harmonies

## Analogous

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



53.8047, 0.3391, 0.2856



53.8047, 0.3786, 0.3166



53.8047, 0.3994, 0.3520

# Triad

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



53.8047, 0.3786, 0.3166



53.8047, 0.3262, 0.4050



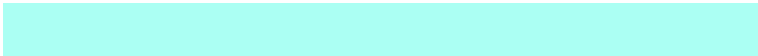
53.8047, 0.2359, 0.2685

# Complementary

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



53.8047, 0.3786, 0.3166



86.6278, 0.2714, 0.3421

# 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.



53.8047, 0.2332, 0.2962



53.8047, 0.3786, 0.3166



53.8047, 0.2833, 0.3790

# Square

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



53.8047, 0.3786, 0.3166



53.8047, 0.3673, 0.4057



53.8047, 0.2498, 0.3371



53.8047, 0.2574, 0.2582



# Rectangle

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



53.8047, 0.3786, 0.3166



53.8047, 0.3991, 0.3746



53.8047, 0.2498, 0.3371



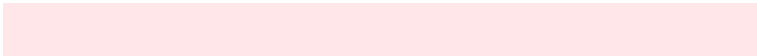
53.8047, 0.2328, 0.2759

# Sweetspot

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



53.8073, 0.3786, 0.3166



83.4670, 0.3280, 0.3254



55.2957, 0.3066, 0.2444



17.4067, 0.3305, 0.3249



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.



53.8073, 0.3786, 0.3166



46.8535, 0.3997, 0.3139



65.6899, 0.3797, 0.3598



18.0293, 0.3272, 0.3256



11.1894, 0.6213, 0.3196



1.1016, 0.5949, 0.3051



# Inverse Universe

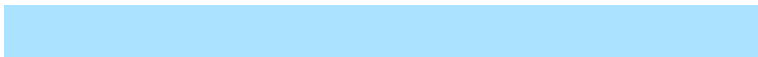
The Inverse Universe completely reimagines the original color for something new.



53.8073, 0.3786, 0.3166



46.8535, 0.3997, 0.3139



70.0457, 0.2615, 0.2958



18.0293, 0.3272, 0.3256



11.1894, 0.6213, 0.3196

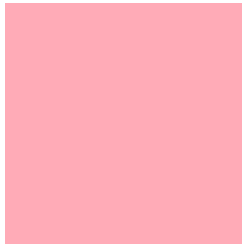


1.1016, 0.5949, 0.3051



# Previews

## White Background



This preview shows how the Yxy color 53.8047, 0.3786, 0.3166 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

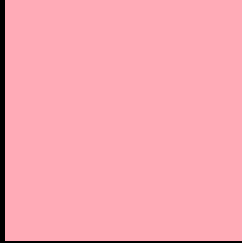
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.8047, 0.3786, 0.3166 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

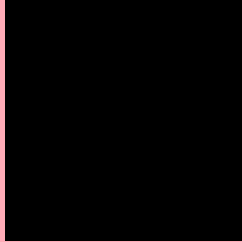
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.8047, 0.3786, 0.3166**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8047, 0.3786, 0.3166.



This preview shows how white text looks on a background with the Yxy color 53.8047, 0.3786, 0.3166.

# 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

53.8047, 0.3786, 0.3166

### Protanopia

53.9504, 0.3144, 0.3266

### Deuteranopia

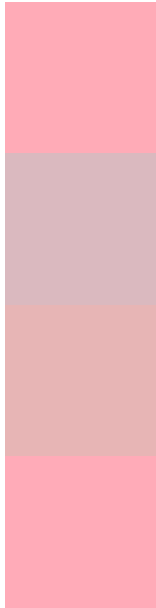
53.7414, 0.3447, 0.3373



## Tritanopia

53.8465, 0.3777, 0.3155

# Trichromacy



## Original Color

53.8047, 0.3786, 0.3166

## Protanomaly

53.3649, 0.3360, 0.3221

## Deuteranomaly

53.3729, 0.3566, 0.3291

## Tritanomaly

53.8465, 0.3777, 0.3155

# Monochromacy



## Original Color

53.8047, 0.3786, 0.3166

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

54.6776, 0.3347, 0.3244

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8047, 0.3786, 0.3166 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, 171, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 183)  
}
```

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, 171, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8047, 0.3786, 0.3166 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, 171, 183) }
```

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

```
.border{ border-color:rgb(255, 171, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8047, 0.3786, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 183) }
```

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

```
.background{ background-color: rgb(255,  
171, 183) }
```

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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