

# Converting Colors

$Y_{xy}(48.2684, 0.3966, 0.3165)$

Have a look what the booklet for  
Yxy(48.2684, 0.3966, 0.3165)  
contains.

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# Color

**Yxy(48.2385, 0.3968, 0.3166)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9DA9
RGB	255, 157, 169
RGB Percent	100%, 62%, 66%
CMY	0.0000, 0.3843, 0.3372
CMYK	0.00, 0.38, 0.34, 0.00
HSL	353°, 100%, 81%
HSV	353°, 38%, 100%
XYZ	60.4581, 48.2385, 43.6676
YIQ	187.6700, 54.5560, 24.5080

# Conversions

## Conversions Part 2

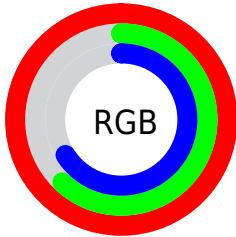
Format	Color
R <sub>Y</sub> B	255, 157, 169
Decimal	16752041
CIE Lab	74.98, 37.87, 9.36
CIE LCh	75, 39.013, 13.887
Yxy	48.2385, 0.3968, 0.3166
Android (android.graphics.Color)	4294942121 (0xFFFF9DA9)
YUV	187.6700, -9.2043, 59.0484
Hunter-Lab	69.4539, 33.8359, 11.3405

# Details

The Yxy color **48.2385, 0.3968, 0.3166** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.1561, 0.2647, 0.3423**, and the grayscale version is **50.1245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2303, 0.3362, 0.3180**, and **22.9207, 0.4209, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **39.7239, 0.4317, 0.3137**, and if you desaturate by 10%, it is **58.7020, 0.3679, 0.3199**.

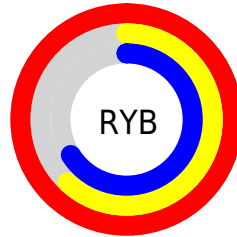
# Distribution



Red (100%)

Green (62%)

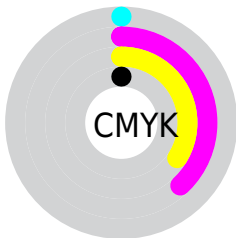
Blue (66%)



Red (100%)

Yellow (62%)

Blue (66%)

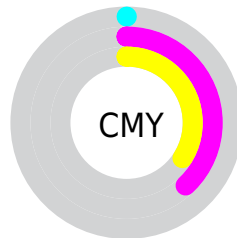


Cyan (0%)

Magenta (38%)

Yellow (34%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2385, 0.3968, 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 48.2385, 0.3968, 0.3166 by changing the saturation by 10% instead.




 48.2385, 0.3968,  
0.3166


 48.2385, 0.3968,  
0.3166


379.7367, 0.3547,  
0.3237

 34.0158, 0.4073,  
0.3146


 87.5594, 0.3815,  
0.3194

 22.9057, 0.4207,  
0.3119


 113.4264, 0.3758,  
0.3203

 14.5239, 0.4385,  
0.3080


143.9436, 0.3709,  
0.3212

 8.4860, 0.4630,  
0.3023

179.4954, 0.3667,  
0.3218

 4.4074, 0.4988,  
0.2930

220.4662, 0.3631,  
0.3224

 1.9040, 0.5552,  
0.2762

267.2405, 0.3599,

 0.5508, 0.7445,

0.3229

0.2555

320.2025, 0.3571,  
0.3233

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.2385, 0.3968,  
0.3166

48.2385, 0.3968,  
0.3166

39.7239, 0.4317,  
0.3137

58.7020, 0.3679,  
0.3199

33.0310, 0.4723,  
0.3117

71.2173, 0.3445,  
0.3232

28.0284, 0.5167,  
0.3112

85.8883, 0.3257,  
0.3265

24.5645, 0.5608,  
0.3129

99.9991, 0.3127,  
0.3290

■ 22.4599, 0.5986,  
0.3169

■ 21.4661, 0.6246,  
0.3225

■ 21.3593, 0.6277,  
0.3231

# Harmonies

## Analogous

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



48.2385, 0.3491, 0.2793



48.2385, 0.3968, 0.3166



48.2385, 0.4198, 0.3588

# Triad

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



48.2385, 0.3968, 0.3166



48.2385, 0.3238, 0.4221



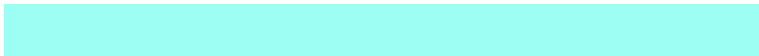
48.2385, 0.2215, 0.2535

# Complementary

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



48.2385, 0.3968, 0.3166



85.1561, 0.2647, 0.3423

# 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.



48.2385, 0.2163, 0.2845



48.2385, 0.3968, 0.3166



48.2385, 0.2724, 0.3873

# Square

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



48.2385, 0.3968, 0.3166



48.2385, 0.3747, 0.4239



48.2385, 0.2339, 0.3337



48.2385, 0.2486, 0.2437



# Rectangle

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



48.2385, 0.3968, 0.3166



48.2385, 0.4172, 0.3860



48.2385, 0.2339, 0.3337



48.2385, 0.2173, 0.2615

# Sweetspot

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



48.2409, 0.3968, 0.3166



80.3963, 0.3319, 0.3253



50.2012, 0.3064, 0.2306



16.7932, 0.3343, 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.



48.2409, 0.3968, 0.3166



41.6204, 0.4226, 0.3144



61.8056, 0.3939, 0.3668



18.0233, 0.3275, 0.3261



11.1724, 0.6251, 0.3217



1.0987, 0.6008, 0.3084



# Inverse Universe

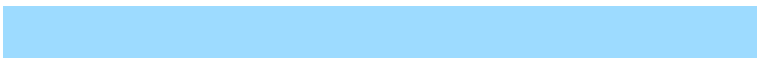
The Inverse Universe completely reimagines the original color for something new.



48.2409, 0.3968, 0.3166



41.6204, 0.4226, 0.3144



65.0863, 0.2530, 0.2873



18.0233, 0.3275, 0.3261



11.1724, 0.6251, 0.3217

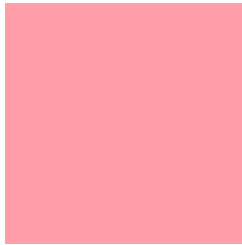


1.0987, 0.6008, 0.3084



# Previews

## White Background



This preview shows how the Yxy color 48.2385, 0.3968, 0.3166 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

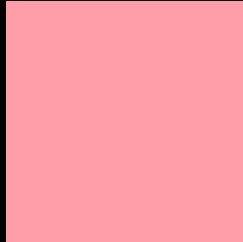
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.2385, 0.3968, 0.3166 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

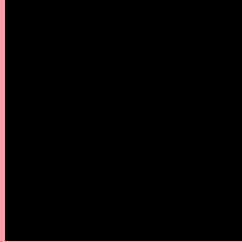
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.2385, 0.3968, 0.3166**

## Background



This preview shows how black text looks on a background with the Yxy color 48.2385, 0.3968, 0.3166.

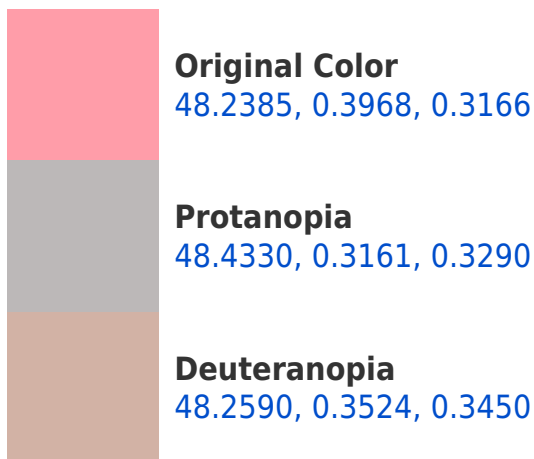


This preview shows how white text looks on a background with the Yxy color 48.2385, 0.3968, 0.3166.

# 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





## Tritanopia

48.2385, 0.3968, 0.3166

# Trichromacy



## Original Color

48.2385, 0.3968, 0.3166



## Protanomaly

47.5238, 0.3428, 0.3230



## Deuteranomaly

47.6714, 0.3685, 0.3338



## Tritanomaly

48.2385, 0.3968, 0.3166

# Monochromacy



## Original Color

48.2385, 0.3968, 0.3166



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

48.7775, 0.3405, 0.3243

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2385, 0.3968, 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, 157, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 169)  
}
```

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, 157, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2385, 0.3968, 0.3166 is called "border". The border property can be set on classes, ids or directly on the HTML element.

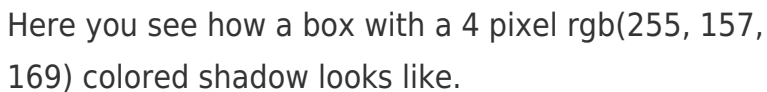
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 157, 169) }
```

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

```
.border{ border-color:rgb(255, 157, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 157, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 157, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 157, 169); box-shadow:4px 4px 4px 4px rgb(255, 157, 169) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2385, 0.3968, 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, 157, 169) }
```

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

```
.background{ background-color: rgb(255,  
157, 169) }
```

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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