

# Converting Colors

$Y_{xy}(48.6570, 0.3952, 0.3165)$

Have a look what the booklet for  
Yxy(48.6570, 0.3952, 0.3165)  
contains.

<b>Yxy(48.6160, 0.3955, 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(48.6160, 0.3955, 0.3166)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9EAA
RGB	255, 158, 170
RGB Percent	100%, 62%, 67%
CMY	0.0000, 0.3804, 0.3334
CMYK	0.00, 0.38, 0.33, 0.00
HSL	353°, 100%, 81%
HSV	353°, 38%, 100%
XYZ	60.7316, 48.6160, 44.2089
YIQ	188.3710, 53.9600, 24.2960

# Conversions

## Conversions Part 2

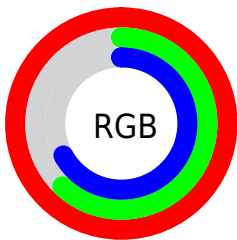
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 158, 170
Decimal	16752298
CIE <sub>Lab</sub>	75.21, 37.50, 9.16
CIE <sub>LCh</sub>	75, 38.604, 13.733
Yxy	48.6160, 0.3955, 0.3166
Android (android.graphics.Color)	4294942378 (0xFFFF9EAA)
YUV	188.3710, -9.0569, 58.4336
Hunter-Lab	69.7252, 33.4570, 11.2151

# Details

The Yxy color **48.6160, 0.3955, 0.3166** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.2587, 0.2651, 0.3423**, and the grayscale version is **50.5352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7894, 0.3354, 0.3180**, and **23.1469, 0.4189, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **40.0222, 0.4301, 0.3137**, and if you desaturate by 10%, it is **59.1494, 0.3669, 0.3199**.

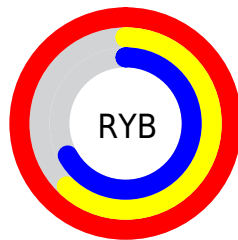
# Distribution



Red (100%)

Green (62%)

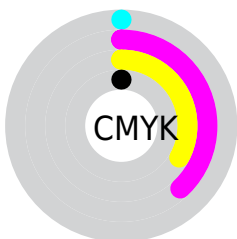
Blue (67%)



Red (100%)

Yellow (62%)

Blue (67%)

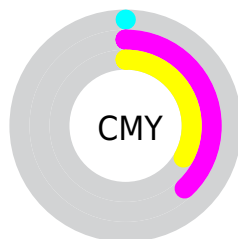


Cyan (0%)

Magenta (38%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6160, 0.3955, 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 48.6160, 0.3955, 0.3166 by changing the saturation by 10% instead.





 48.6160, 0.3955,  
0.3166


 48.6160, 0.3955,  
0.3166


381.2286, 0.3541,  
0.3236

 34.3150, 0.4058,  
0.3146


 88.1209, 0.3805,  
0.3193

 23.1357, 0.4190,  
0.3119


 114.0935, 0.3748,  
0.3203

 14.6937, 0.4364,  
0.3082


144.7254, 0.3700,  
0.3211

 8.6047, 0.4604,  
0.3025

180.4011, 0.3659,  
0.3218

 4.4843, 0.4954,  
0.2934

221.5048, 0.3624,  
0.3224

 1.9480, 0.5506,  
0.2771

268.4211, 0.3593,

 0.5770, 0.7385,

0.3228

0.2615

321.5342, 0.3565,  
0.3233

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.6160, 0.3955,  
0.3166

48.6160, 0.3955,  
0.3166

40.0222, 0.4301,  
0.3137

59.1494, 0.3669,  
0.3199

33.2613, 0.4704,  
0.3116

71.7450, 0.3437,  
0.3233

28.1961, 0.5147,  
0.3110

86.4998, 0.3250,  
0.3265

24.6755, 0.5589,  
0.3126

100.0000, 0.3127,  
0.3290

■ 22.5217, 0.5971,  
0.3165

■ 21.4952, 0.6236,  
0.3221

■ 21.3619, 0.6275,  
0.3230

# Harmonies

## Analogous

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



48.6160, 0.3484, 0.2798



48.6160, 0.3955, 0.3166



48.6160, 0.4183, 0.3583

# Triad

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



48.6160, 0.3955, 0.3166



48.6160, 0.3240, 0.4209



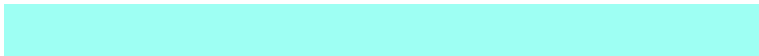
48.6160, 0.2225, 0.2546

# Complementary

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



48.6160, 0.3955, 0.3166



85.2587, 0.2651, 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.



48.6160, 0.2175, 0.2853



48.6160, 0.3955, 0.3166



48.6160, 0.2731, 0.3868

# Square

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



48.6160, 0.3955, 0.3166



48.6160, 0.3742, 0.4226



48.6160, 0.2350, 0.3340



48.6160, 0.2492, 0.2447



# Rectangle

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



48.6160, 0.3955, 0.3166



48.6160, 0.4159, 0.3852



48.6160, 0.2350, 0.3340



48.6160, 0.2184, 0.2625

# Sweetspot

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



48.6116, 0.3955, 0.3166



81.9077, 0.3301, 0.3256



50.5584, 0.3065, 0.2316



17.0947, 0.3326, 0.3252



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.



48.6116, 0.3955, 0.3166



41.6250, 0.4225, 0.3142



62.1158, 0.3928, 0.3664



18.0236, 0.3275, 0.3261



11.1734, 0.6249, 0.3216



1.0989, 0.6005, 0.3082



# Inverse Universe

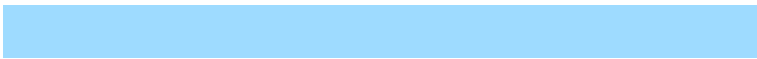
The Inverse Universe completely reimagines the original color for something new.



48.6116, 0.3955, 0.3166



41.6250, 0.4225, 0.3142



65.3750, 0.2535, 0.2878



18.0236, 0.3275, 0.3261



11.1734, 0.6249, 0.3216



1.0989, 0.6005, 0.3082



# Previews

## White Background



This preview shows how the Yxy color 48.6160, 0.3955, 0.3166 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

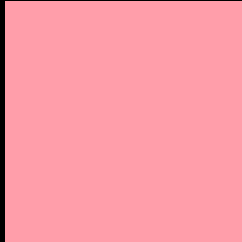
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.6160, 0.3955, 0.3166 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

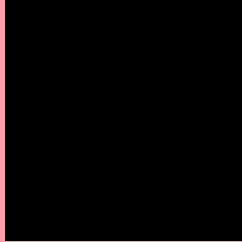
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.6160, 0.3955, 0.3166**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.6160, 0.3955, 0.3166.



This preview shows how white text looks on a background with the Yxy color 48.6160, 0.3955, 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

48.6160, 0.3955, 0.3166

### Protanopia

49.0195, 0.3161, 0.3290

### Deuteranopia

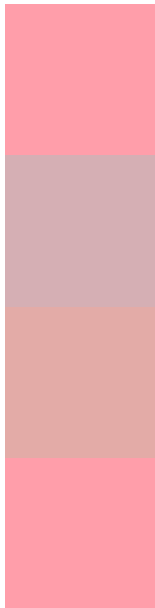
48.8423, 0.3522, 0.3450



## Tritanopia

48.6160, 0.3955, 0.3166

# Trichromacy



## Original Color

48.6160, 0.3955, 0.3166

## Protanomaly

48.1014, 0.3426, 0.3231

## Deuteranomaly

48.2467, 0.3682, 0.3338

## Tritanomaly

48.6160, 0.3955, 0.3166

# Monochromacy



## Original Color

48.6160, 0.3955, 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 48.6160, 0.3955, 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, 158, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 170)  
}
```

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, 158, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 48.6160, 0.3955, 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, 158, 170) }
```

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

```
.border{ border-color:rgb(255, 158, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.6160, 0.3955, 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, 158, 170) }
```

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

```
.background{ background-color: rgb(255,  
158, 170) }
```

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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