

# Converting Colors

Yxy(49.9640, 0.3865, 0.3113)

Have a look what the booklet for  
Yxy(49.9640, 0.3865, 0.3113)  
contains.

<b>Yxy(49.9641, 0.3865, 0.3113)</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(49.9641, 0.3865, 0.3113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA1B2
RGB	255, 161, 178
RGB Percent	100%, 63%, 70%
CMY	0.0000, 0.3687, 0.3019
CMYK	0.00, 0.37, 0.30, 0.00
HSL	349°, 100%, 82%
HSV	349°, 37%, 100%
XYZ	62.0338, 49.9641, 48.5035
YIQ	191.0440, 50.5670, 25.2150

# Conversions

## Conversions Part 2

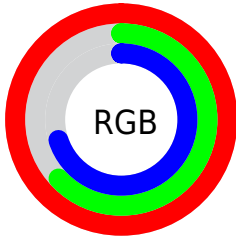
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 161, 178
Decimal	16753074
CIE Lab	76.05, 36.96, 5.96
CIE LCh	76, 37.432, 9.157
Yxy	49.9641, 0.3865, 0.3113
Android (android.graphics.Color)	4294943154 (0xFFFFA1B2)
YUV	191.0440, -6.4307, 56.0894
Hunter-Lab	70.6853, 32.9534, 8.7955

# Details

The Yxy color **49.9641, 0.3865, 0.3113** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.2660, 0.2689, 0.3480**, and the grayscale version is **52.1369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8262, 0.3287, 0.3121**, and **23.9416, 0.4075, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **41.1617, 0.4179, 0.3068**, and if you desaturate by 10%, it is **60.6999, 0.3605, 0.3162**.

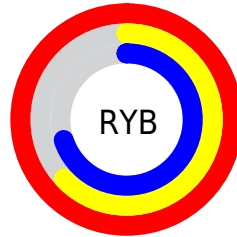
# Distribution



Red (100%)

Green (63%)

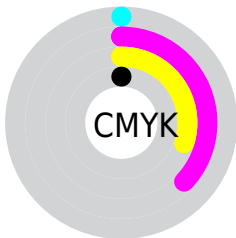
Blue (70%)



Red (100%)

Yellow (63%)

Blue (70%)

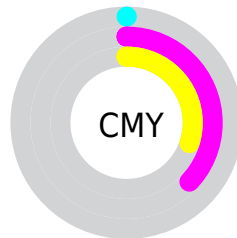


Cyan (0%)

Magenta (37%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (37%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9641, 0.3865, 0.3113 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 49.9641, 0.3865, 0.3113 by changing the saturation by 10% instead.





 49.9641, 0.3865,  
0.3113


 49.9641, 0.3865,  
0.3113


386.5255, 0.3498,  
0.3206

 35.3849, 0.3956,  
0.3089


 90.1217, 0.3732,  
0.3148

 23.9595, 0.4071,  
0.3057


 116.4688, 0.3682,  
0.3160

 15.3036, 0.4223,  
0.3014


147.5074, 0.3640,  
0.3171

 9.0327, 0.4433,  
0.2952

183.6218, 0.3604,  
0.3180

 4.7625, 0.4738,  
0.2857

225.1964, 0.3572,  
0.3188

 2.1086, 0.5219,  
0.2696

272.6157, 0.3544,

 0.6695, 0.6403,

0.3195

0.2452

326.2639, 0.3520,  
0.3201

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.9641, 0.3865,  
0.3113

49.9641, 0.3865,  
0.3113

41.1617, 0.4179,  
0.3068

60.6999, 0.3605,  
0.3162

34.1929, 0.4548,  
0.3032

73.4933, 0.3394,  
0.3212

28.9223, 0.4960,  
0.3016

88.4379, 0.3224,  
0.3259

25.2033, 0.5386,  
0.3027

100.0000, 0.3127,  
0.3290

■ 22.8640, 0.5779,  
0.3071

■ 21.6880, 0.6085,  
0.3145

■ 21.4589, 0.6161,  
0.3168

# Harmonies

## Analogous

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



49.9641, 0.3391, 0.2769



49.9641, 0.3865, 0.3113



49.9641, 0.4128, 0.3514

# Triad

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



49.9641, 0.3865, 0.3113



49.9641, 0.3315, 0.4194



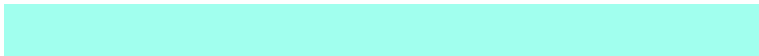
49.9641, 0.2236, 0.2606

# Complementary

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



49.9641, 0.3865, 0.3113



85.2660, 0.2689, 0.3480

# 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.



49.9641, 0.2220, 0.2934



49.9641, 0.3865, 0.3113



49.9641, 0.2817, 0.3910

# Square

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



49.9641, 0.3865, 0.3113



49.9641, 0.3785, 0.4167



49.9641, 0.2423, 0.3419



49.9641, 0.2464, 0.2479



# Rectangle

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



49.9641, 0.3865, 0.3113



49.9641, 0.4137, 0.3777



49.9641, 0.2423, 0.3419



49.9641, 0.2206, 0.2694

# Sweetspot

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



49.9584, 0.3865, 0.3113



81.9989, 0.3290, 0.3240



50.8395, 0.3030, 0.2335



17.1163, 0.3313, 0.3234



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.



49.9584, 0.3865, 0.3113



43.4940, 0.4083, 0.3080



60.9870, 0.3915, 0.3604



18.0408, 0.3266, 0.3247



11.2281, 0.6127, 0.3149



1.1071, 0.5839, 0.2990



# Inverse Universe

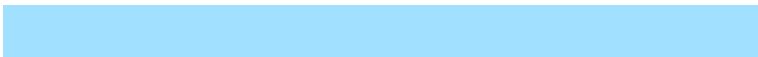
The Inverse Universe completely reimagines the original color for something new.



49.9584, 0.3865, 0.3113



43.4940, 0.4083, 0.3080



68.7687, 0.2561, 0.2948



18.0408, 0.3266, 0.3247



11.2281, 0.6127, 0.3149

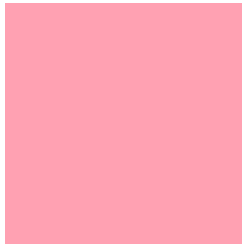


1.1071, 0.5839, 0.2990



# Previews

## White Background



This preview shows how the Yxy color 49.9641, 0.3865, 0.3113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

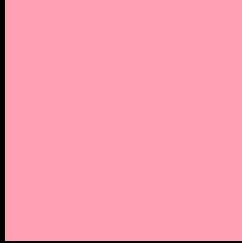
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.9641, 0.3865, 0.3113 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 49.9641, 0.3865, 0.3113**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.9641, 0.3865, 0.3113.



This preview shows how white text looks on a background with the Yxy color 49.9641, 0.3865, 0.3113.

# 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

49.9641, 0.3865, 0.3113

### Protanopia

50.3381, 0.3106, 0.3215

### Deuteranopia

49.9526, 0.3448, 0.3376



## Tritanopia

50.1567, 0.3901, 0.3166

# Trichromacy



## Original Color

49.9641, 0.3865, 0.3113



## Protanomaly

49.7678, 0.3361, 0.3172



## Deuteranomaly

49.6981, 0.3600, 0.3280



## Tritanomaly

50.1958, 0.3891, 0.3155

# Monochromacy



## Original Color

49.9641, 0.3865, 0.3113



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

50.4838, 0.3375, 0.3219

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.9641, 0.3865, 0.3113 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, 161, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 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, 161, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 49.9641, 0.3865, 0.3113 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, 161, 178) }
```

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

```
.border{ border-color:rgb(255, 161, 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, 161, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.9641, 0.3865, 0.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 178) }
```

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

```
.background{ background-color: rgb(255,  
161, 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](#).

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