

# Converting Colors

$Yxy(49.9068, 0.4594, 0.3195)$

Have a look what the booklet for  
Yxy(49.9068, 0.4594, 0.3195)  
contains.

|  |    |
|--|----|
| <b>Yxy(41.6390, 0.4248, 0.3168)</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(41.6390, 0.4248, 0.3168)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FF8A96                     |
| RGB         | 255, 138, 150              |
| RGB Percent | 100%, 54%, 59%             |
| CMY         | 0.0000, 0.4588, 0.4116     |
| CMYK        | 0.00, 0.46, 0.41, 0.00     |
| HSL         | 354°, 100%, 77%            |
| HSV         | 354°, 46%, 100%            |
| XYZ         | 55.8341, 41.6390, 33.9631  |
| YIQ         | 174.3510, 65.8800, 28.5360 |

# Conversions

## Conversions Part 2

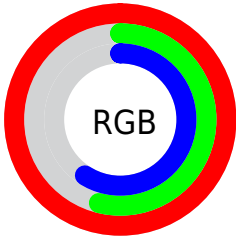
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 255, 138, 150                  |
| Decimal                             | 16747158                       |
| CIE <sub>Lab</sub>                  | 70.62, 45.38, 13.71            |
| CIE <sub>LCh</sub>                  | 71, 47.410, 16.809             |
| Yxy                                 | 41.6390, 0.4248,<br>0.3168     |
| Android<br>(android.graphics.Color) | 4294937238<br>(0xFFFF8A96)     |
| YUV                                 | 174.3510, -12.0050,<br>70.7292 |
| Hunter-Lab                          | 64.5283, 41.5254,<br>13.9637   |

# Details

The Yxy color **41.6390, 0.4248, 0.3168** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **83.3890, 0.2564, 0.3426**, and the grayscale version is **42.5576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7596, 0.3549, 0.3178**, and **19.0000, 0.4591, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **34.4961, 0.4650, 0.3149**, and if you desaturate by 10%, it is **50.6474, 0.3906, 0.3193**.

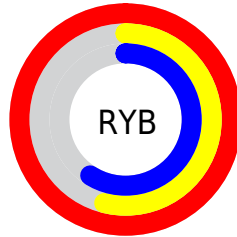
# Distribution



Red (100%)

Green (54%)

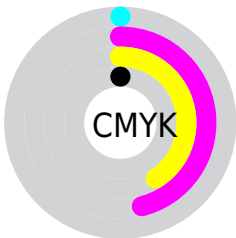
Blue (59%)



Red (100%)

Yellow (54%)

Blue (59%)

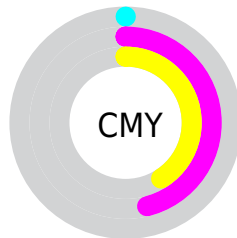


Cyan (0%)

Magenta (46%)

Yellow (41%)

Black (0%)



Cyan (0%)

Magenta (46%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6390, 0.4248, 0.3168 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 41.6390, 0.4248, 0.3168 by changing the saturation by 10% instead.




 41.6390, 0.4248,  
0.3168


 41.6390, 0.4248,  
0.3168


352.9843, 0.3672,  
0.3248


 28.8187, 0.4395,  
0.3142


 77.6530, 0.4036,  
0.3201

 18.9437, 0.4585,  
0.3106

 101.6155, 0.3957,  
0.3213

 11.6296, 0.4838,  
0.3052


 130.0608, 0.3891,  
0.3221

 6.4920, 0.5192,  
0.2965

163.3734, 0.3834,  
0.3229

 3.1465, 0.5713,  
0.2816

201.9377, 0.3786,  
0.3235

 1.2087, 0.6711,  
0.2598

246.1380, 0.3743,

 0.0688, 0.9466,

0.3240

0.0534

296.3587, 0.3706,  
0.3244

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

41.6390, 0.4248,  
0.3168

41.6390, 0.4248,  
0.3168

34.4961, 0.4650,  
0.3149

50.6474, 0.3906,  
0.3193

29.0818, 0.5096,  
0.3143

61.6328, 0.3626,  
0.3221

25.2511, 0.5549,  
0.3153

74.7054, 0.3399,  
0.3249

22.8321, 0.5947,  
0.3184

89.9656, 0.3217,  
0.3275

■ 21.6123, 0.6229,  
0.3231

99.9988, 0.3127,  
0.3290

■ 21.3344, 0.6307,  
0.3248

# Harmonies

## Analogous

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



41.6390, 0.3653, 0.2709



41.6390, 0.4248, 0.3168



41.6390, 0.4496, 0.3684

# Triad

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



41.6390, 0.4248, 0.3168



41.6390, 0.3181, 0.4480



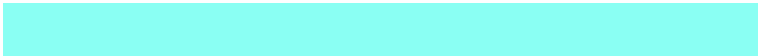
41.6390, 0.2018, 0.2319

# Complementary

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



41.6390, 0.4248, 0.3168



83.3890, 0.2564, 0.3426

# 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.



41.6390, 0.1926, 0.2662



41.6390, 0.4248, 0.3168



41.6390, 0.2550, 0.3986

# Square

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



41.6390, 0.4248, 0.3168



41.6390, 0.3832, 0.4511



41.6390, 0.2105, 0.3267



41.6390, 0.2368, 0.2236



# Rectangle

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



41.6390, 0.4248, 0.3168



41.6390, 0.4424, 0.4021



41.6390, 0.2105, 0.3267



41.6390, 0.1958, 0.2403

# Sweetspot

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



41.6411, 0.4248, 0.3168



77.4058, 0.3361, 0.3254



44.1604, 0.3062, 0.2129



15.9064, 0.3404, 0.3248



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.



41.6411, 0.4248, 0.3168



35.0540, 0.4612, 0.3151



56.9001, 0.4145, 0.3759



18.0174, 0.3278, 0.3266



11.1581, 0.6284, 0.3235



1.0960, 0.6067, 0.3116



# Inverse Universe

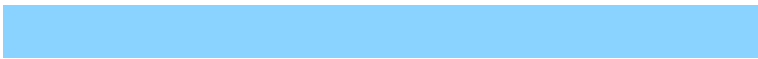
The Inverse Universe completely reimagines the original color for something new.



41.6411, 0.4248, 0.3168



35.0540, 0.4612, 0.3151



58.7904, 0.2416, 0.2752



18.0174, 0.3278, 0.3266



11.1581, 0.6284, 0.3235



1.0960, 0.6067, 0.3116



# Previews

## White Background



This preview shows how the Yxy color 41.6390, 0.4248, 0.3168 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

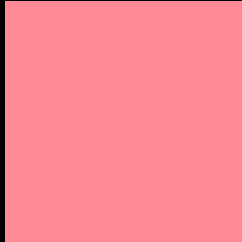
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.6390, 0.4248, 0.3168 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 41.6390, 0.4248, 0.3168**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.6390, 0.4248, 0.3168.



This preview shows how white text looks on a background with the Yxy color 41.6390, 0.4248, 0.3168.

# 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

41.6390, 0.4248, 0.3168

### Protanopia

41.6793, 0.3206, 0.3345

### Deuteranopia

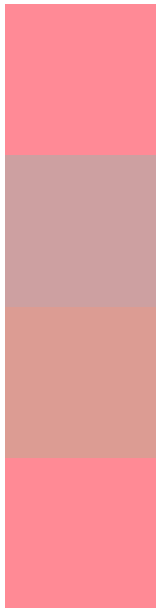
41.9611, 0.3643, 0.3576



## Tritanopia

41.5751, 0.4271, 0.3189

# Trichromacy



**Original Color**

41.6390, 0.4248, 0.3168

**Protanomaly**

40.6940, 0.3560, 0.3279

**Deuteranomaly**

41.0992, 0.3862, 0.3401

**Tritanomaly**

41.6069, 0.4260, 0.3179

# Monochromacy



**Original Color**

41.6390, 0.4248, 0.3168

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

40.9029, 0.3499, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.6390, 0.4248, 0.3168 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, 138, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 150)  
}
```

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, 138, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 41.6390, 0.4248, 0.3168 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, 138, 150) }
```

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

```
.border{ border-color:rgb(255, 138, 150) }
```

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

Here you see how a box with a 4 pixel rgb(255, 138, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.6390, 0.4248, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 150) }
```

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

```
.background{ background-color: rgb(255,  
138, 150) }
```

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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