

# Converting Colors

$Y_{xy}(46.8484, 0.4115, 0.3192)$

Have a look what the booklet for  
Yxy(46.8484, 0.4115, 0.3192)  
contains.

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# Color

**Yxy(45.9664, 0.4073, 0.3188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF97A1
RGB	255, 151, 161
RGB Percent	100%, 59%, 63%
CMY	0.0002, 0.4077, 0.3686
CMYK	0.00, 0.41, 0.37, 0.00
HSL	354°, 100%, 80%
HSV	354°, 41%, 100%
XYZ	58.7268, 45.9664, 39.4925
YIQ	183.2360, 58.7740, 25.1580

# Conversions

## Conversions Part 2

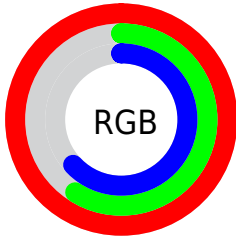
Format	Color
R <sub>Y</sub> B	255, 151, 161
Decimal	16750497
CIE Lab	73.52, 39.98, 11.72
CIE LCh	74, 41.667, 16.337
Yxy	45.9664, 0.4073, 0.3188
Android (android.graphics.Color)	4294940577 (0xFFFF97A1)
YUV	183.2360, -10.9623, 62.9370
Hunter-Lab	67.7985, 35.9686, 12.9227

# Details

The Yxy color **45.9664, 0.4073, 0.3188** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.6660, 0.2611, 0.3401**, and the grayscale version is **47.5299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8435, 0.3430, 0.3199**, and **21.5969, 0.4347, 0.3135** is the 20% darker color. If you saturate the color by 10%, you get **37.8888, 0.4448, 0.3167**, and if you desaturate by 10%, it is **55.9729, 0.3760, 0.3213**.

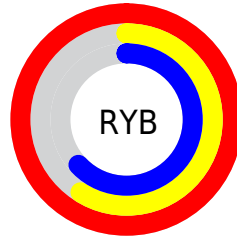
# Distribution



Red (100%)

Green (59%)

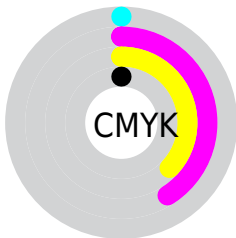
Blue (63%)



Red (100%)

Yellow (59%)

Blue (63%)

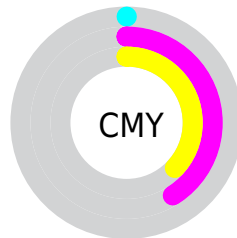


Cyan (0%)

Magenta (41%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (41%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9664, 0.4073, 0.3188 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 45.9664, 0.4073, 0.3188 by changing the saturation by 10% instead.





 45.9664, 0.4073,  
0.3188


 45.9664, 0.4073,  
0.3188


370.6736, 0.3595,  
0.3252

 32.2193, 0.4193,  
0.3168


 84.1687, 0.3899,  
0.3214

 21.5291, 0.4347,  
0.3141


 109.3927, 0.3833,  
0.3223

 13.5113, 0.4552,  
0.3101


139.2112, 0.3778,  
0.3230

 7.7815, 0.4835,  
0.3039

174.0084, 0.3731,  
0.3236

 3.9555, 0.5251,  
0.2935

214.1689, 0.3690,  
0.3241

 1.6487, 0.5912,  
0.2740

260.0770, 0.3654,

 0.3901, 0.7885,

0.3245

0.2115

312.1171, 0.3623,  
0.3249

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.9664, 0.4073,  
0.3188

45.9664, 0.4073,  
0.3188

37.8888, 0.4448,  
0.3167

55.9729, 0.3760,  
0.3213

31.6094, 0.4878,  
0.3155

68.0141, 0.3506,  
0.3239

26.9923, 0.5336,  
0.3156

82.1964, 0.3302,  
0.3264

23.8795, 0.5771,  
0.3176

98.6169, 0.3138,  
0.3288

■ 22.0818, 0.6116,  
0.3214

99.9914, 0.3127,  
0.3290

■ 21.3192, 0.6316,  
0.3253

# Harmonies

## Analogous

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



45.9664, 0.3569, 0.2783



45.9664, 0.4073, 0.3188



45.9664, 0.4293, 0.3641

# Triad

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



45.9664, 0.4073, 0.3188



45.9664, 0.3195, 0.4290



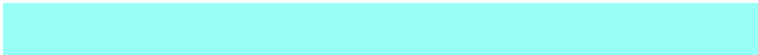
45.9664, 0.2161, 0.2457

# Complementary

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



45.9664, 0.4073, 0.3188



84.6660, 0.2611, 0.3401

# 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.



45.9664, 0.2085, 0.2768



45.9664, 0.4073, 0.3188



45.9664, 0.2647, 0.3883

# Square

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



45.9664, 0.4073, 0.3188



45.9664, 0.3752, 0.4330



45.9664, 0.2251, 0.3289



45.9664, 0.2468, 0.2374



# Rectangle

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



45.9664, 0.4073, 0.3188



45.9664, 0.4243, 0.3931



45.9664, 0.2251, 0.3289



45.9664, 0.2110, 0.2535

# Sweetspot

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



45.9687, 0.4073, 0.3188



80.3510, 0.3325, 0.3261



48.6952, 0.3087, 0.2257



16.7827, 0.3350, 0.3258



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.



45.9687, 0.4073, 0.3188



39.1924, 0.4377, 0.3170



61.4513, 0.3989, 0.3726



18.0153, 0.3279, 0.3268



11.1536, 0.6295, 0.3241



1.0950, 0.6088, 0.3128



# Inverse Universe

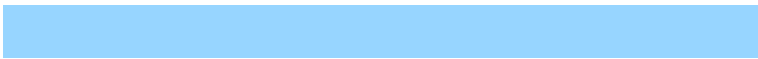
The Inverse Universe completely reimagines the original color for something new.



45.9687, 0.4073, 0.3188



39.1924, 0.4377, 0.3170



61.5829, 0.2488, 0.2801



18.0153, 0.3279, 0.3268



11.1536, 0.6295, 0.3241

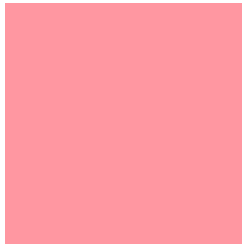


1.0950, 0.6088, 0.3128



# Previews

## White Background



This preview shows how the Yxy color 45.9664, 0.4073, 0.3188 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

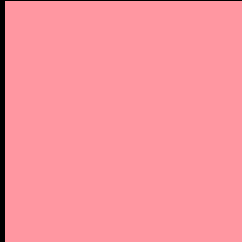
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.9664, 0.4073, 0.3188 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 45.9664, 0.4073, 0.3188**

## Background



This preview shows how black text looks on a background with the Yxy color 45.9664, 0.4073, 0.3188.



This preview shows how white text looks on a background with the Yxy color 45.9664, 0.4073, 0.3188.

# 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

45.9664, 0.4073, 0.3188

### Protanopia

46.1311, 0.3195, 0.3329

### Deuteranopia

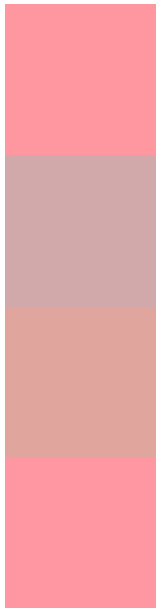
45.9718, 0.3578, 0.3503



## Tritanopia

46.0019, 0.4063, 0.3177

# Trichromacy



## Original Color

45.9664, 0.4073, 0.3188

## Protanomaly

45.0178, 0.3491, 0.3267

## Deuteranomaly

45.5884, 0.3755, 0.3386

## Tritanomaly

46.0019, 0.4063, 0.3177

# Monochromacy



## Original Color

45.9664, 0.4073, 0.3188

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

45.7763, 0.3442, 0.3242

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.9664, 0.4073, 0.3188 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, 151, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 161)  
}
```

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, 151, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 45.9664, 0.4073, 0.3188 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, 151, 161) }
```

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

```
.border{ border-color:rgb(255, 151, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 151, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.9664, 0.4073, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 161) }
```

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

```
.background{ background-color: rgb(255,  
151, 161) }
```

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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