

# Converting Colors

$Y_{xy}(45.1587, 0.4043, 0.3114)$

Have a look what the booklet for  
Yxy(45.1587, 0.4043, 0.3114)  
contains.

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# Color

**Yxy(45.1564, 0.4043, 0.3114)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF94A5
RGB	255, 148, 165
RGB Percent	100%, 58%, 65%
CMY	0.0000, 0.4196, 0.3529
CMYK	0.00, 0.42, 0.35, 0.00
HSL	350°, 100%, 79%
HSV	350°, 42%, 100%
XYZ	58.6279, 45.1564, 41.2266
YIQ	181.9310, 58.3150, 27.9710

# Conversions

## Conversions Part 2

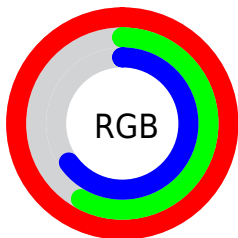
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 148, 165
Decimal	16749733
CIE <sub>Lab</sub>	72.99, 42.03, 8.75
CIE <sub>LCh</sub>	73, 42.926, 11.762
Yxy	45.1564, 0.4043, 0.3114
Android (android.graphics.Color)	4294939813 (0xFFFF94A5)
YUV	181.9310, -8.3470, 64.0815
Hunter-Lab	67.1985, 38.1365, 10.6643

# Details

The Yxy color **45.1564, 0.4043, 0.3114** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **83.9874, 0.2629, 0.3483**, and the grayscale version is **46.7593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6130, 0.3404, 0.3128**, and **21.1124, 0.4320, 0.3056** is the 20% darker color. If you saturate the color by 10%, you get **37.3007, 0.4396, 0.3079**, and if you desaturate by 10%, it is **54.9010, 0.3747, 0.3156**.

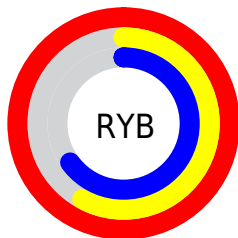
# Distribution



Red (100%)

Green (58%)

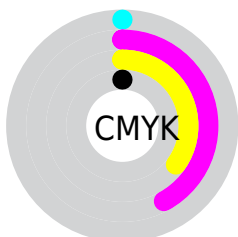
Blue (65%)



Red (100%)

Yellow (58%)

Blue (65%)

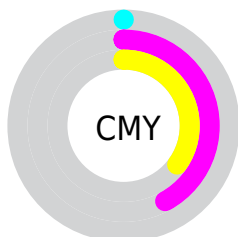


Cyan (0%)

Magenta (42%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (42%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1564, 0.4043, 0.3114 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 45.1564, 0.4043, 0.3114 by changing the saturation by 10% instead.




 45.1564, 0.4043,  
0.3114

 45.1564, 0.4043,  
0.3114


367.4066, 0.3580,  
0.3212

 31.5806, 0.4160,  
0.3087

 82.9551, 0.3874,  
0.3152

 21.0414, 0.4310,  
0.3050


 107.9467, 0.3810,  
0.3165

 13.1543, 0.4509,  
0.2998


137.5125, 0.3757,  
0.3177

 7.5349, 0.4787,  
0.2922

172.0368, 0.3711,  
0.3186

 3.7988, 0.5196,  
0.2799

211.9039, 0.3672,  
0.3194

 1.5617, 0.5846,  
0.2578

257.4983, 0.3637,

 0.3315, 0.8135,

0.3201

0.1865

309.2044, 0.3607,  
0.3207

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 45.1564, 0.4043,  
0.3114

■ 45.1564, 0.4043,  
0.3114

■ 37.3007, 0.4396,  
0.3079

■ 54.9010, 0.3747,  
0.3156

■ 31.2161, 0.4801,  
0.3056

■ 66.6526, 0.3506,  
0.3200

■ 26.7626, 0.5235,  
0.3055

■ 80.5130, 0.3311,  
0.3242

■ 23.7813, 0.5656,  
0.3083

■ 96.5785, 0.3154,  
0.3282

■ 22.0811, 0.6007,  
0.3139

100.0000, 0.3127,  
0.3290

■ 21.4170, 0.6210,  
0.3194

# Harmonies

## Analogous

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



45.1564, 0.3490, 0.2712



45.1564, 0.4043, 0.3114



45.1564, 0.4325, 0.3577

# Triad

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



45.1564, 0.4043, 0.3114



45.1564, 0.3286, 0.4361



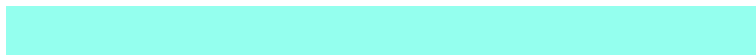
45.1564, 0.2103, 0.2462

# Complementary

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



45.1564, 0.4043, 0.3114



83.9874, 0.2629, 0.3483

# 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.



45.1564, 0.2062, 0.2817



45.1564, 0.4043, 0.3114



45.1564, 0.2708, 0.3991

# Square

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



45.1564, 0.4043, 0.3114



45.1564, 0.3850, 0.4341



45.1564, 0.2269, 0.3382



45.1564, 0.2383, 0.2343



# Rectangle

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



45.1564, 0.4043, 0.3114



45.1564, 0.4308, 0.3883



45.1564, 0.2269, 0.3382



45.1564, 0.2062, 0.2554

# Sweetspot

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



45.1545, 0.4043, 0.3114



78.9756, 0.3329, 0.3238



46.4306, 0.3026, 0.2208



16.2201, 0.3370, 0.3229



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.



45.1545, 0.4043, 0.3114



38.6992, 0.4322, 0.3085



57.5386, 0.4056, 0.3666



18.0342, 0.3269, 0.3252



11.2047, 0.6179, 0.3177



1.1038, 0.5903, 0.3026



# Inverse Universe

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



45.1545, 0.4043, 0.3114



38.6992, 0.4322, 0.3085



64.3511, 0.2484, 0.2871



18.0342, 0.3269, 0.3252



11.2047, 0.6179, 0.3177



1.1038, 0.5903, 0.3026



# Previews

## White Background



This preview shows how the Yxy color 45.1564, 0.4043, 0.3114 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

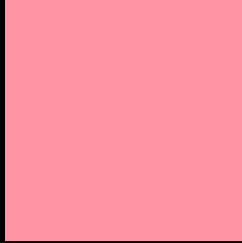
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.1564, 0.4043, 0.3114 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 45.1564, 0.4043, 0.3114**

## Background



This preview shows how black text looks on a background with the Yxy color 45.1564, 0.4043, 0.3114.

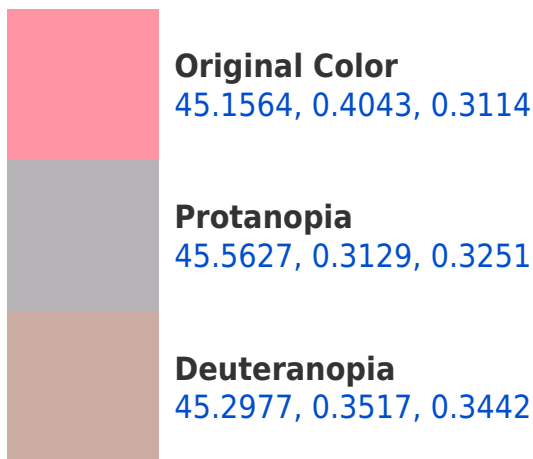


This preview shows how white text looks on a background with the Yxy color 45.1564, 0.4043, 0.3114.

# 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

45.2930, 0.4092, 0.3177

# Trichromacy



## Original Color

45.1564, 0.4043, 0.3114



## Protanomaly

44.6952, 0.3438, 0.3193



## Deuteranomaly

44.8475, 0.3713, 0.3315



## Tritanomaly

45.3635, 0.4071, 0.3156

# Monochromacy



## Original Color

45.1564, 0.4043, 0.3114



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

45.4393, 0.3434, 0.3217

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1564, 0.4043, 0.3114 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, 148, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 165)  
}
```

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, 148, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1564, 0.4043, 0.3114 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, 148, 165) }
```

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

```
.border{ border-color:rgb(255, 148, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 148, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1564, 0.4043, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 165) }
```

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

```
.background{ background-color: rgb(255,  
148, 165) }
```

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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