

# Converting Colors

$Y_{xy}(45.8320, 0.4510, 0.3291)$

Have a look what the booklet for  
Yxy(45.8320, 0.4510, 0.3291)  
contains.

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# Color

**Yxy(41.9393, 0.4339, 0.3283)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8C8D
RGB	255, 140, 141
RGB Percent	100%, 55%, 55%
CMY	0.0000, 0.4510, 0.4470
CMYK	0.00, 0.45, 0.45, 0.00
HSL	359°, 100%, 77%
HSV	359°, 45%, 100%
XYZ	55.4294, 41.9393, 30.3782
YIQ	174.4990, 68.2190, 24.6910

# Conversions

## Conversions Part 2

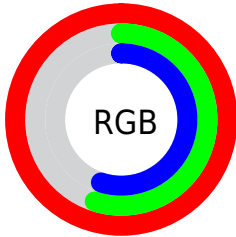
Format	Color
R <sub>Y</sub> B	255, 140, 141
Decimal	16747661
CIE Lab	70.83, 43.47, 19.02
CIE LCh	71, 47.453, 23.628
Yxy	41.9393, 0.4339, 0.3283
Android (android.graphics.Color)	4294937741 (0xFFFF8C8D)
YUV	174.4990, -16.5150, 70.5994
Hunter-Lab	64.7606, 39.4494, 17.5203

# Details

The Yxy color **41.9393, 0.4339, 0.3283** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.2502, 0.2525, 0.3300**, and the grayscale version is **42.6578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2303, 0.3618, 0.3291**, and **19.1738, 0.4704, 0.3244** is the 20% darker color. If you saturate the color by 10%, you get **34.6626, 0.4778, 0.3283**, and if you desaturate by 10%, it is **51.1147, 0.3964, 0.3284**.

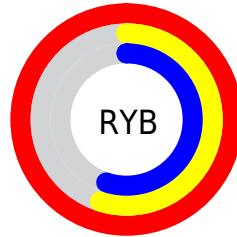
# Distribution



Red (100%)

Green (55%)

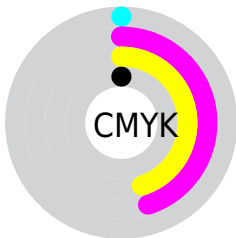
Blue (55%)



Red (100%)

Yellow (55%)

Blue (55%)

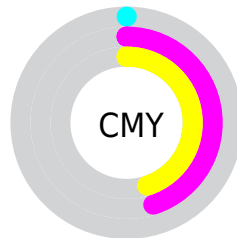


Cyan (0%)

Magenta (45%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (45%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9393, 0.4339, 0.3283 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 41.9393, 0.4339, 0.3283 by changing the saturation by 10% instead.





 41.9393, 0.4339,  
0.3283


 41.9393, 0.4339,  
0.3283


354.2313, 0.3717,  
0.3311


 29.0538, 0.4497,  
0.3268


 78.1078, 0.4110,  
0.3299

 19.1215, 0.4700,  
0.3244


 102.1595, 0.4025,  
0.3303

 11.7581, 0.4971,  
0.3204


 130.7020, 0.3954,  
0.3306

 6.5792, 0.5344,  
0.3132

164.1198, 0.3892,  
0.3308

 3.2004, 0.5884,  
0.2995

202.7972, 0.3839,  
0.3310

 1.2372, 0.7123,  
0.2877

247.1187, 0.3793,

 0.0918, 0.9282,

0.3310

0.0718

297.4686, 0.3753,  
0.3311

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

41.9393, 0.4339,  
0.3283

41.9393, 0.4339,  
0.3283

34.6626, 0.4778,  
0.3283

51.1147, 0.3964,  
0.3284

29.1508, 0.5258,  
0.3284

62.3079, 0.3656,  
0.3286

25.2545, 0.5726,  
0.3286

75.6295, 0.3409,  
0.3287

22.7988, 0.6107,  
0.3291

91.1817, 0.3212,  
0.3289

■ 21.5687, 0.6335,  
0.3296

100.0000, 0.3127,  
0.3290

■ 21.2649, 0.6395,  
0.3296

# Harmonies

## Analogous

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



41.9393, 0.3807, 0.2805



41.9393, 0.4339, 0.3283



41.9393, 0.4490, 0.3801

# Triad

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



41.9393, 0.4339, 0.3283



41.9393, 0.3030, 0.4403



41.9393, 0.2076, 0.2280

# Complementary

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



41.9393, 0.4339, 0.3283



84.2502, 0.2525, 0.3300

# 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.



41.9393, 0.1925, 0.2561



41.9393, 0.4339, 0.3283



41.9393, 0.2429, 0.3828

# Square

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



41.9393, 0.4339, 0.3283



41.9393, 0.3691, 0.4542



41.9393, 0.2041, 0.3110



41.9393, 0.2483, 0.2251



# Rectangle

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



41.9393, 0.4339, 0.3283



41.9393, 0.4359, 0.4127



41.9393, 0.2041, 0.3110



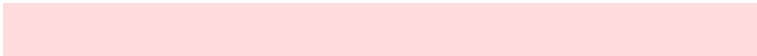
41.9393, 0.1997, 0.2343

# Sweetspot

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



41.9396, 0.4339, 0.3283



77.2266, 0.3385, 0.3288



46.8744, 0.3162, 0.2181



15.8635, 0.3433, 0.3287



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.



41.9396, 0.4339, 0.3283



35.3729, 0.4727, 0.3283



62.4455, 0.4064, 0.3867



17.9897, 0.3293, 0.3288



11.1125, 0.6392, 0.3295



1.0829, 0.6370, 0.3283



# Inverse Universe

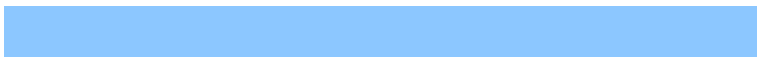
The Inverse Universe completely reimagines the original color for something new.



41.9396, 0.4339, 0.3283



35.3729, 0.4727, 0.3283



53.8342, 0.2402, 0.2618



17.9897, 0.3293, 0.3288



11.1125, 0.6392, 0.3295



1.0829, 0.6370, 0.3283



# Previews

## White Background



This preview shows how the Yxy color 41.9393, 0.4339, 0.3283 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

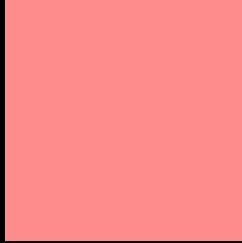
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.9393, 0.4339, 0.3283 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 41.9393, 0.4339, 0.3283**

## Background



This preview shows how black text looks on a background with the Yxy color 41.9393, 0.4339, 0.3283.



This preview shows how white text looks on a background with the Yxy color 41.9393, 0.4339, 0.3283.

# 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

41.9393, 0.4339, 0.3283

### Protanopia

42.1452, 0.3336, 0.3508

### Deuteranopia

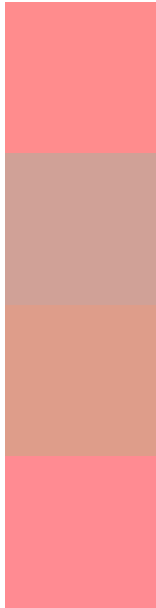
42.1115, 0.3757, 0.3689



## Tritanopia

41.8952, 0.4255, 0.3189

# Trichromacy



## Original Color

41.9393, 0.4339, 0.3283

## Protanomaly

41.1340, 0.3684, 0.3418

## Deuteranomaly

41.4785, 0.3969, 0.3520

## Tritanomaly

41.8006, 0.4289, 0.3221

# Monochromacy



## Original Color

41.9393, 0.4339, 0.3283

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

41.3224, 0.3525, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.9393, 0.4339, 0.3283 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, 140, 141)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 141)  
}
```

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, 140, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 41.9393, 0.4339, 0.3283 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, 140, 141) }
```

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

```
.border{ border-color:rgb(255, 140, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 140, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 140, 141); box-shadow:4px 4px 4px 4px rgb(255, 140, 141) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.9393, 0.4339, 0.3283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 141) }
```

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

```
.background{ background-color: rgb(255,  
140, 141) }
```

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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