

# Converting Colors

$Y_{xy}(41.9925, 0.4345, 0.3293)$

Have a look what the booklet for  
Yxy(41.9925, 0.4345, 0.3293)  
contains.

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# Color

**Yxy(41.9096, 0.4350, 0.3294)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8C8C
RGB	255, 140, 140
RGB Percent	100%, 55%, 55%
CMY	0.0001, 0.4509, 0.4511
CMYK	0.00, 0.45, 0.45, 0.00
HSL	0°, 100%, 77%
HSV	0°, 45%, 100%
XYZ	55.3451, 41.9096, 29.9754
YIQ	174.3850, 68.5400, 24.3800

# Conversions

## Conversions Part 2

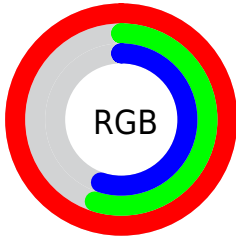
Format	Color
R <sub>Y</sub> B	255, 140, 140
Decimal	16747660
CIE Lab	70.81, 43.35, 19.56
CIE LCh	71, 47.561, 24.289
Yxy	41.9096, 0.4350, 0.3294
Android (android.graphics.Color)	4294937740 (0xFFFF8C8C)
YUV	174.3850, -16.9518, 70.6994
Hunter-Lab	64.7376, 39.3113, 17.8633

# Details

The Yxy color **41.9096, 0.4350, 0.3294** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.2732, 0.2520, 0.3288**, and the grayscale version is **42.6001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1853, 0.3626, 0.3302**, and **19.1567, 0.4719, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **34.6375, 0.4793, 0.3295**, and if you desaturate by 10%, it is **51.0853, 0.3972, 0.3293**.

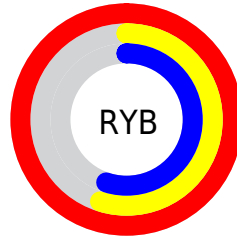
# Distribution



Red (100%)

Green (55%)

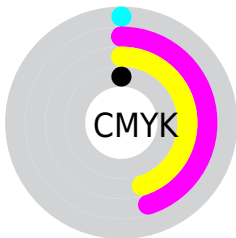
Blue (55%)



Red (100%)

Yellow (55%)

Blue (55%)

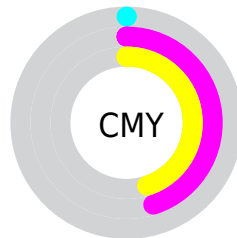


Cyan (0%)

Magenta (45%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (45%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9096, 0.4350, 0.3294 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 41.9096, 0.4350, 0.3294 by changing the saturation by 10% instead.





 41.9096, 0.4350,  
0.3294


 41.9096, 0.4350,  
0.3294

354.1081, 0.3722,  
0.3317


 29.0305, 0.4509,  
0.3280


 78.0628, 0.4119,  
0.3309

 19.1039, 0.4714,  
0.3257


 102.1057, 0.4033,  
0.3312

 11.7454, 0.4987,  
0.3218


 130.6386, 0.3961,  
0.3315

 6.5705, 0.5363,  
0.3147

164.0460, 0.3899,  
0.3316

 3.1950, 0.5905,  
0.3010

202.7123, 0.3846,  
0.3317

 1.2344, 0.7120,  
0.2880

247.0218, 0.3799,

 0.0895, 0.9295,

0.3317

0.0705

297.3589, 0.3759,  
0.3317

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

41.9096, 0.4350,  
0.3294

41.9096, 0.4350,  
0.3294

34.6375, 0.4793,  
0.3295

51.0853, 0.3972,  
0.3293

29.1294, 0.5275,  
0.3297

62.2783, 0.3661,  
0.3292

25.2374, 0.5744,  
0.3298

75.6011, 0.3412,  
0.3291

22.7866, 0.6121,  
0.3299

91.1562, 0.3213,  
0.3290

■ 21.5612, 0.6342,  
0.3300

99.9962, 0.3127,  
0.3290

■ 21.2582, 0.6401,  
0.3300

# Harmonies

## Analogous

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



41.9096, 0.3823, 0.2814



41.9096, 0.4350, 0.3294



41.9096, 0.4492, 0.3813

# Triad

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



41.9096, 0.4350, 0.3294



41.9096, 0.3015, 0.4398



41.9096, 0.2080, 0.2274

# Complementary

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



41.9096, 0.4350, 0.3294



84.2732, 0.2520, 0.3288

# 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.



41.9096, 0.1923, 0.2550



41.9096, 0.4350, 0.3294



41.9096, 0.2416, 0.3813

# Square

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



41.9096, 0.4350, 0.3294



41.9096, 0.3679, 0.4547



41.9096, 0.2033, 0.3095



41.9096, 0.2493, 0.2251



# Rectangle

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



41.9096, 0.4350, 0.3294



41.9096, 0.4354, 0.4139



41.9096, 0.2033, 0.3095



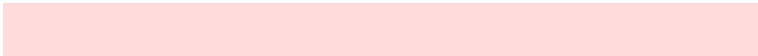
41.9096, 0.1999, 0.2336

# Sweetspot

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



41.9117, 0.4350, 0.3294



77.2167, 0.3387, 0.3291



47.2254, 0.3179, 0.2187



15.8611, 0.3435, 0.3291



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.



41.9117, 0.4350, 0.3294



35.3557, 0.4741, 0.3295



63.3001, 0.4055, 0.3886



17.9881, 0.3295, 0.3291



11.1103, 0.6400, 0.3300



1.0821, 0.6400, 0.3300



# Inverse Universe

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



84.2732, 0.2520, 0.3288



82.5110, 0.2437, 0.3287



52.9435, 0.2397, 0.2594



20.4803, 0.2980, 0.3289



41.1132, 0.2246, 0.3286

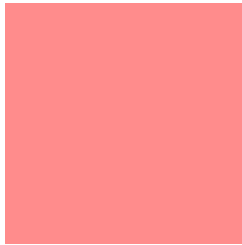


4.0034, 0.2246, 0.3286



# Previews

## White Background



This preview shows how the Yxy color 41.9096, 0.4350, 0.3294 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 41.9096, 0.4350, 0.3294 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 41.9096, 0.4350, 0.3294**

## Background



This preview shows how black text looks on a background with the Yxy color 41.9096, 0.4350, 0.3294.



This preview shows how white text looks on a background with the Yxy color 41.9096, 0.4350, 0.3294.

# 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

41.9096, 0.4350, 0.3294

### Protanopia

42.1112, 0.3345, 0.3521

### Deuteranopia

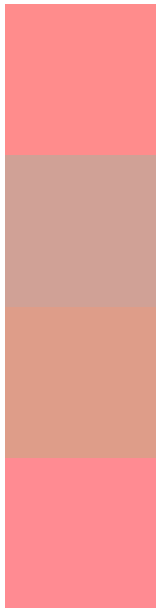
42.0832, 0.3766, 0.3702



## Tritanopia

41.8952, 0.4255, 0.3189

# Trichromacy



**Original Color**

41.9096, 0.4350, 0.3294

**Protanomaly**

41.1016, 0.3694, 0.3430

**Deuteranomaly**

41.4497, 0.3979, 0.3532

**Tritanomaly**

41.8006, 0.4289, 0.3221

# Monochromacy



**Original Color**

41.9096, 0.4350, 0.3294

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

41.1458, 0.3525, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.9096, 0.4350, 0.3294 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, 140)` looks like.

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

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, 140) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 41.9096, 0.4350, 0.3294 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, 140) }
```

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

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

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, 140)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to Yxy 41.9096, 0.4350, 0.3294 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, 140) }
```

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

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

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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