

# Converting Colors

$Y_{xy}(44.9036, 0.4312, 0.3270)$

Have a look what the booklet for  
Yxy(44.9036, 0.4312, 0.3270)  
contains.

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# Color

**Yxy(43.6174, 0.4249, 0.3272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9193
RGB	255, 145, 147
RGB Percent	100%, 57%, 58%
CMY	0.0000, 0.4314, 0.4234
CMYK	0.00, 0.43, 0.42, 0.00
HSL	359°, 100%, 78%
HSV	359°, 43%, 100%
XYZ	56.6413, 43.6174, 33.0463
YIQ	178.1180, 64.9180, 23.9420

# Conversions

## Conversions Part 2

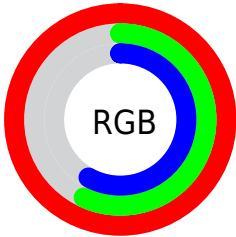
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	255, 145, 147
Decimal	16748947
CIELab	71.97, 41.57, 17.27
CIELCh	72, 45.015, 22.560
Yxy	43.6174, 0.4249, 0.3272
Android (android.graphics.Color)	4294939027 (0xFFFF9193)
YUV	178.1180, -15.3412, 67.4255
Hunter-Lab	66.0435, 37.5121, 16.5634

# Details

The Yxy color **43.6174, 0.4249, 0.3272** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.6281, 0.2549, 0.3311**, and the grayscale version is **44.6396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7856, 0.3559, 0.3281**, and **20.1195, 0.4573, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **35.9748, 0.4672, 0.3270**, and if you desaturate by 10%, it is **53.1728, 0.3891, 0.3276**.

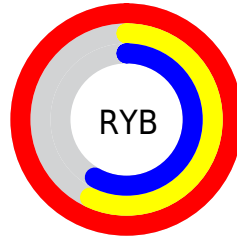
# Distribution



Red (100%)

Green (57%)

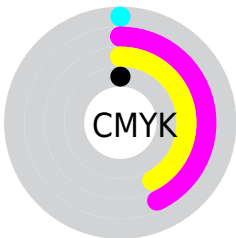
Blue (58%)



Red (100%)

Yellow (57%)

Blue (58%)

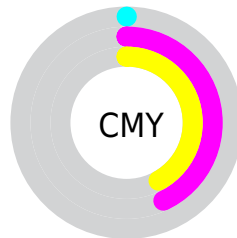


Cyan (0%)

Magenta (43%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (43%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6174, 0.4249, 0.3272 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 43.6174, 0.4249, 0.3272 by changing the saturation by 10% instead.





 43.6174, 0.4249,  
0.3272


 43.6174, 0.4249,  
0.3272

361.1447, 0.3677,  
0.3302

 30.3698, 0.4394,  
0.3258


 80.6417, 0.4039,  
0.3288

 20.1195, 0.4580,  
0.3236

 105.1873, 0.3961,  
0.3292

 12.4819, 0.4827,  
0.3201


134.2676, 0.3895,  
0.3295

 7.0728, 0.5169,  
0.3139

168.2671, 0.3839,  
0.3298

 3.5077, 0.5665,  
0.3022

207.5701, 0.3790,  
0.3299

 1.4022, 0.6643,  
0.2874

252.5612, 0.3747,

 0.2183, 0.8545,

0.3300

0.1455

303.6246, 0.3710,  
0.3301

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

43.6174, 0.4249,  
0.3272

43.6174, 0.4249,  
0.3272

35.9748, 0.4672,  
0.3270

53.1728, 0.3891,  
0.3276

30.1255, 0.5144,  
0.3270

64.7687, 0.3599,  
0.3280

25.9204, 0.5619,  
0.3273

78.5099, 0.3365,  
0.3284

23.1913, 0.6026,  
0.3279

94.4971, 0.3178,  
0.3289

■ 21.7336, 0.6294,  
0.3289

100.0000, 0.3127,  
0.3290

■ 21.2703, 0.6388,  
0.3293

# Harmonies

## Analogous

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



43.6174, 0.3742, 0.2820



43.6174, 0.4249, 0.3272



43.6174, 0.4408, 0.3763

# Triad

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



43.6174, 0.4249, 0.3272



43.6174, 0.3063, 0.4337



43.6174, 0.2126, 0.2343

# Complementary

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



43.6174, 0.4249, 0.3272



84.6281, 0.2549, 0.3311

# 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.



43.6174, 0.1991, 0.2622



43.6174, 0.4249, 0.3272



43.6174, 0.2491, 0.3816

# Square

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



43.6174, 0.4249, 0.3272



43.6174, 0.3685, 0.4458



43.6174, 0.2113, 0.3149



43.6174, 0.2504, 0.2305



# Rectangle

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



43.6174, 0.4249, 0.3272



43.6174, 0.4297, 0.4071



43.6174, 0.2113, 0.3149



43.6174, 0.2053, 0.2408

# Sweetspot

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



43.6140, 0.4249, 0.3272



78.7217, 0.3362, 0.3285



48.0378, 0.3146, 0.2220



16.1584, 0.3409, 0.3284



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.



43.6140, 0.4249, 0.3272



36.7544, 0.4621, 0.3270



62.9311, 0.4021, 0.3825



17.9925, 0.3292, 0.3286



11.1166, 0.6382, 0.3289



1.0842, 0.6337, 0.3265



# Inverse Universe

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



43.6140, 0.4249, 0.3272



36.7544, 0.4621, 0.3270



56.2630, 0.2437, 0.2676



17.9925, 0.3292, 0.3286



11.1166, 0.6382, 0.3289



1.0842, 0.6337, 0.3265



# Previews

## White Background



This preview shows how the Yxy color 43.6174, 0.4249, 0.3272 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 43.6174, 0.4249, 0.3272 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 43.6174, 0.4249, 0.3272**

## Background



This preview shows how black text looks on a background with the Yxy color 43.6174, 0.4249, 0.3272.



This preview shows how white text looks on a background with the Yxy color 43.6174, 0.4249, 0.3272.

# 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

43.6174, 0.4249, 0.3272

### Protanopia

43.7623, 0.3298, 0.3464

### Deuteranopia

43.8544, 0.3710, 0.3632



## Tritanopia

43.5731, 0.4167, 0.3178

# Trichromacy



## Original Color

43.6174, 0.4249, 0.3272



## Protanomaly

42.8999, 0.3623, 0.3391



## Deuteranomaly

43.3506, 0.3911, 0.3494



## Tritanomaly

43.4735, 0.4199, 0.3209

# Monochromacy



## Original Color

43.6174, 0.4249, 0.3272



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

43.1843, 0.3497, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.6174, 0.4249, 0.3272 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, 145, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 147)  
}
```

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, 145, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 43.6174, 0.4249, 0.3272 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, 145, 147) }
```

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

```
.border{ border-color:rgb(255, 145, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.6174, 0.4249, 0.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 147) }
```

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

```
.background{ background-color: rgb(255,  
145, 147) }
```

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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