

# Converting Colors

$Y_{xy}(45.9218, 0.4340, 0.3342)$

Have a look what the booklet for  
Yxy(45.9218, 0.4340, 0.3342)  
contains.

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# Color

**Yxy(44.4230, 0.4277, 0.3346)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF948F
RGB	255, 148, 143
RGB Percent	100%, 58%, 56%
CMY	0.0000, 0.4195, 0.4393
CMYK	0.00, 0.42, 0.44, 0.00
HSL	3°, 100%, 78%
HSV	3°, 44%, 100%
XYZ	56.7834, 44.4230, 31.5581
YIQ	179.4230, 65.3770, 21.1290

# Conversions

## Conversions Part 2

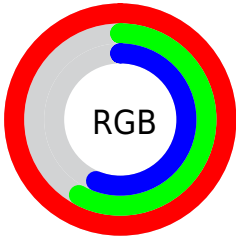
Format	Color
R <sub>Y</sub> B	255, 148, 143
Decimal	16749711
CIE Lab	72.51, 39.60, 20.25
CIE LCh	73, 44.478, 27.079
Yxy	44.4230, 0.4277, 0.3346
Android (android.graphics.Color)	4294939791 (0xFFFF948F)
YUV	179.4230, -17.9565, 66.2810
Hunter-Lab	66.6506, 35.4357, 18.5824

# Details

The Yxy color **44.4230, 0.4277, 0.3346** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **81.3960, 0.2523, 0.3231**, and the grayscale version is **45.3895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0031, 0.3584, 0.3353**, and **20.5768, 0.4611, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **36.8849, 0.4699, 0.3356**, and if you desaturate by 10%, it is **53.7480, 0.3918, 0.3333**.

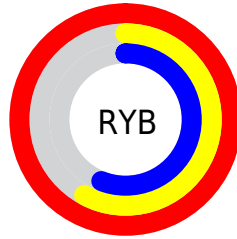
# Distribution



Red (100%)

Green (58%)

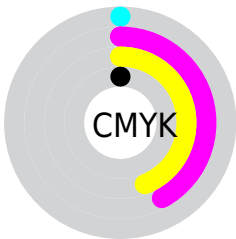
Blue (56%)



Red (100%)

Yellow (58%)

Blue (56%)

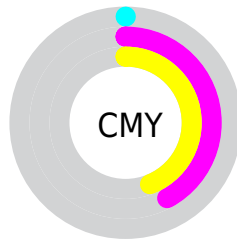


Cyan (0%)

Magenta (42%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (42%)


Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4230, 0.4277, 0.3346 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 44.4230, 0.4277, 0.3346 by changing the saturation by 10% instead.





 44.4230, 0.4277,  
0.3346

 44.4230, 0.4277,  
0.3346


364.4316, 0.3692,  
0.3341

 31.0032, 0.4424,  
0.3340


 81.8539, 0.4063,  
0.3350

 20.6013, 0.4612,  
0.3327


 106.6337, 0.3983,  
0.3350

 12.8329, 0.4862,  
0.3302


135.9691, 0.3916,  
0.3349

 7.3136, 0.5204,  
0.3254

170.2443, 0.3858,  
0.3348

 3.6590, 0.5694,  
0.3153

209.8437, 0.3808,  
0.3346

 1.4847, 0.6741,  
0.3068

255.1519, 0.3764,

 0.2779, 0.8232,

0.3345

0.1768

306.5530, 0.3726,  
0.3343

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

44.4230, 0.4277,  
0.3346

44.4230, 0.4277,  
0.3346

36.8849, 0.4699,  
0.3356

53.7480, 0.3918,  
0.3333

31.0134, 0.5165,  
0.3361

64.9568, 0.3622,  
0.3320

26.6839, 0.5632,  
0.3359

78.1475, 0.3384,  
0.3307

23.7516, 0.6030,  
0.3346

93.4092, 0.3192,  
0.3295

■ 22.0441, 0.6292,  
0.3326

99.9979, 0.3127,  
0.3290

■ 21.5083, 0.6379,  
0.3317

# Harmonies

## Analogous

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



44.4230, 0.3822, 0.2890



44.4230, 0.4277, 0.3346



44.4230, 0.4375, 0.3828

# Triad

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



44.4230, 0.4277, 0.3346



44.4230, 0.2973, 0.4261



44.4230, 0.2183, 0.2338

# Complementary

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



44.4230, 0.4277, 0.3346



81.3960, 0.2523, 0.3231

# 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.



44.4230, 0.2013, 0.2577



44.4230, 0.4277, 0.3346



44.4230, 0.2431, 0.3708

# Square

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



44.4230, 0.4277, 0.3346



44.4230, 0.3588, 0.4446



44.4230, 0.2094, 0.3061



44.4230, 0.2590, 0.2333



# Rectangle

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



44.4230, 0.4277, 0.3346



44.4230, 0.4232, 0.4122



44.4230, 0.2094, 0.3061



44.4230, 0.2099, 0.2390

# Sweetspot

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



44.4252, 0.4277, 0.3346



79.4840, 0.3364, 0.3306



47.8767, 0.3209, 0.2243



16.3431, 0.3411, 0.3308



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.



44.4252, 0.4277, 0.3346



37.5167, 0.4657, 0.3355



65.8183, 0.4007, 0.3908



18.1180, 0.3293, 0.3301



11.2956, 0.6370, 0.3324



1.1439, 0.6296, 0.3383



# Inverse Universe

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



81.3960, 0.2523, 0.3231



78.9032, 0.2431, 0.3218



52.1985, 0.2408, 0.2568



20.3330, 0.2980, 0.3279



37.4928, 0.2208, 0.3149



3.6921, 0.2213, 0.3166



# Previews

## White Background



This preview shows how the Yxy color 44.4230, 0.4277, 0.3346 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 44.4230, 0.4277, 0.3346 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 44.4230, 0.4277, 0.3346**

## Background



This preview shows how black text looks on a background with the Yxy color 44.4230, 0.4277, 0.3346.



This preview shows how white text looks on a background with the Yxy color 44.4230, 0.4277, 0.3346.

# 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

44.4230, 0.4277, 0.3346

### Protanopia

44.7485, 0.3365, 0.3556

### Deuteranopia

44.5452, 0.3772, 0.3691



## Tritanopia

44.5618, 0.4132, 0.3188

# Trichromacy



**Original Color**

44.4230, 0.4277, 0.3346

**Protanomaly**

43.7862, 0.3675, 0.3465

**Deuteranomaly**

44.2566, 0.3961, 0.3563

**Tritanomaly**

44.3944, 0.4186, 0.3241

# Monochromacy



**Original Color**

44.4230, 0.4277, 0.3346

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

44.0238, 0.3511, 0.3316

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.4230, 0.4277, 0.3346 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, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 143)  
}
```

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, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 44.4230, 0.4277, 0.3346 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, 143) }
```

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

```
.border{ border-color:rgb(255, 148, 143) }
```

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, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.4230, 0.4277, 0.3346 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, 143) }
```

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

```
.background{ background-color: rgb(255,  
148, 143) }
```

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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