

# Converting Colors

$Y_{xy}(54.5584, 0.4219, 0.3342)$

Have a look what the booklet for  
Yxy(54.5584, 0.4219, 0.3342)  
contains.

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# Color

**Yxy(50.3141, 0.4041, 0.3345)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA49F
RGB	255, 164, 159
RGB Percent	100%, 64%, 62%
CMY	0.0000, 0.3569, 0.3764
CMYK	0.00, 0.36, 0.38, 0.00
HSL	3°, 100%, 81%
HSV	3°, 38%, 100%
XYZ	60.7830, 50.3141, 39.3187
YIQ	190.6390, 55.8410, 17.7370

# Conversions

## Conversions Part 2

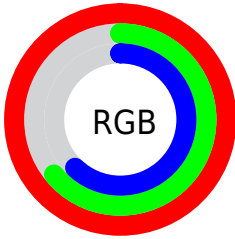
Format	Color
R <sub>Y</sub> B	255, 164, 159
Decimal	16753823
CIE Lab	76.26, 33.10, 16.65
CIE LCh	76, 37.048, 26.706
Yxy	50.3141, 0.4041, 0.3345
Android (android.graphics.Color)	4294943903 (0xFFFFA49F)
YUV	190.6390, -15.5980, 56.4446
Hunter-Lab	70.9324, 28.8275, 16.7875

# Details

The Yxy color **50.3141, 0.4041, 0.3345** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82.9856, 0.2593, 0.3233**, and the grayscale version is **51.9448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3014, 0.3424, 0.3351**, and **24.1874, 0.4294, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **41.6681, 0.4422, 0.3359**, and if you desaturate by 10%, it is **60.7816, 0.3724, 0.3330**.

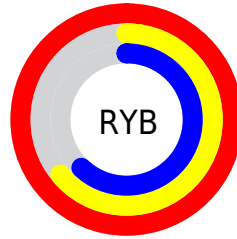
# Distribution



Red (100%)

Green (64%)

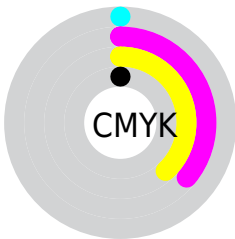
Blue (62%)



Red (100%)

Yellow (64%)

Blue (62%)

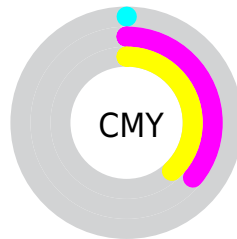


Cyan (0%)

Magenta (36%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3141, 0.4041, 0.3345 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 50.3141, 0.4041, 0.3345 by changing the saturation by 10% instead.





 50.3141, 0.4041,  
0.3345


 50.3141, 0.4041,  
0.3345


387.8930, 0.3585,  
0.3333

 35.6630, 0.4153,  
0.3344


 90.6401, 0.3876,  
0.3344

 24.1741, 0.4297,  
0.3339


 117.0838, 0.3814,  
0.3343

 15.4628, 0.4485,  
0.3329


148.2272, 0.3761,  
0.3341

 9.1448, 0.4742,  
0.3307

184.4546, 0.3716,  
0.3339

 4.8358, 0.5111,  
0.3259

226.1505, 0.3677,  
0.3338

 2.1512, 0.5683,  
0.3151

273.6993, 0.3642,

 0.6932, 0.7022,

0.3336

0.2978

327.4853, 0.3612,  
0.3334

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.3141, 0.4041,  
0.3345

50.3141, 0.4041,  
0.3345

41.6681, 0.4422,  
0.3359

60.7816, 0.3724,  
0.3330

34.7483, 0.4862,  
0.3369

73.1765, 0.3466,  
0.3315

29.4360, 0.5333,  
0.3371

87.5854, 0.3258,  
0.3300

25.6017, 0.5782,  
0.3364

100.0000, 0.3127,  
0.3290

■ 23.0957, 0.6138,  
0.3346

■ 21.7357, 0.6344,  
0.3322

■ 21.5528, 0.6375,  
0.3320

# Harmonies

## Analogous

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



50.3141, 0.3678, 0.2964



50.3141, 0.4041, 0.3345



50.3141, 0.4130, 0.3742

# Triad

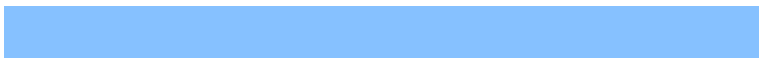
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.3141, 0.4041, 0.3345



50.3141, 0.3020, 0.4053



50.3141, 0.2354, 0.2516

# Complementary

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



50.3141, 0.4041, 0.3345



82.9856, 0.2593, 0.3233

# 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.



50.3141, 0.2213, 0.2726



50.3141, 0.4041, 0.3345



50.3141, 0.2574, 0.3630

# Square

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



50.3141, 0.4041, 0.3345



50.3141, 0.3517, 0.4207



50.3141, 0.2289, 0.3125



50.3141, 0.2691, 0.2503



# Rectangle

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



50.3141, 0.4041, 0.3345



50.3141, 0.4025, 0.3974



50.3141, 0.2289, 0.3125



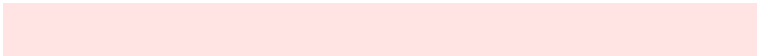
50.3141, 0.2284, 0.2564

# Sweetspot

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



50.3110, 0.4041, 0.3345



82.5112, 0.3323, 0.3305



52.9789, 0.3209, 0.2397



17.2370, 0.3350, 0.3307



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.



50.3110, 0.4041, 0.3345



43.7764, 0.4315, 0.3355



70.7562, 0.3848, 0.3835



18.1377, 0.3293, 0.3303



11.3236, 0.6365, 0.3328



1.1532, 0.6281, 0.3395



# Inverse Universe

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



82.9856, 0.2593, 0.3233



80.6073, 0.2509, 0.3221



56.9342, 0.2510, 0.2670



20.3108, 0.2980, 0.3277



36.9646, 0.2202, 0.3128



3.6465, 0.2208, 0.3147



# Previews

## White Background



This preview shows how the Yxy color 50.3141, 0.4041, 0.3345 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 50.3141, 0.4041, 0.3345 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

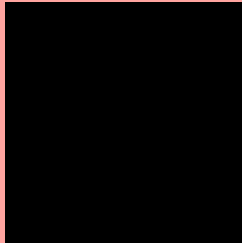
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.3141, 0.4041, 0.3345**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.3141, 0.4041, 0.3345.



This preview shows how white text looks on a background with the Yxy color 50.3141, 0.4041, 0.3345.

# 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

50.3141, 0.4041, 0.3345

### Protanopia

50.6425, 0.3328, 0.3504

### Deuteranopia

50.3535, 0.3668, 0.3590



## Tritanopia

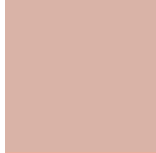
50.1567, 0.3901, 0.3166

# Trichromacy



## Original Color

50.3141, 0.4041, 0.3345



## Protanomaly

49.7819, 0.3568, 0.3435



## Deuteranomaly

50.0832, 0.3798, 0.3499



## Tritanomaly

50.3190, 0.3947, 0.3229

# Monochromacy



## Original Color

50.3141, 0.4041, 0.3345



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

50.5986, 0.3432, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.3141, 0.4041, 0.3345 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, 164, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 159)  
}
```

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, 164, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 50.3141, 0.4041, 0.3345 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, 164, 159) }
```

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

```
.border{ border-color:rgb(255, 164, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 164, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.3141, 0.4041, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 159) }
```

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

```
.background{ background-color: rgb(255,  
164, 159) }
```

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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