

# Converting Colors

$Y_{xy}(54.7458, 0.3955, 0.3421)$

Have a look what the booklet for  
Yxy(54.7458, 0.3955, 0.3421)  
contains.

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# Color

**Yxy(54.5643, 0.3959, 0.3419)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAFA3
RGB	255, 175, 163
RGB Percent	100%, 69%, 64%
CMY	0.0000, 0.3137, 0.3608
CMYK	0.00, 0.31, 0.36, 0.00
HSL	8°, 100%, 82%
HSV	8°, 36%, 100%
XYZ	63.1822, 54.5643, 41.8449
YIQ	197.5520, 51.5320, 13.2280

# Conversions

## Conversions Part 2

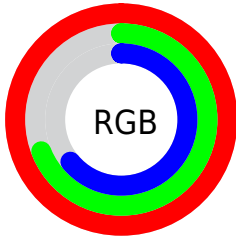
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 177, 163
Decimal	16756643
CIE Lab	78.79, 27.79, 18.02
CIE LCh	79, 33.126, 32.959
Yxy	54.5643, 0.3959, 0.3419
Android (android.graphics.Color)	4294946723 (0xFFFFAFA3)
YUV	197.5520, -17.0341, 50.3819
Hunter-Lab	73.8677, 23.4105, 18.1205

# Details

The Yxy color **54.5643, 0.3959, 0.3419** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **79.0955, 0.2600, 0.3155**, and the grayscale version is **56.2672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4738, 0.3379, 0.3421**, and **26.8025, 0.4185, 0.3441** is the 20% darker color. If you saturate the color by 10%, you get **45.8083, 0.4309, 0.3454**, and if you desaturate by 10%, it is **64.9230, 0.3666, 0.3382**.

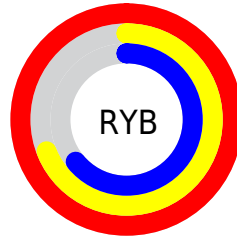
# Distribution



Red (100%)

Green (69%)

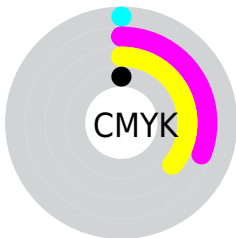
Blue (64%)



Red (100%)

Yellow (69%)

Blue (64%)

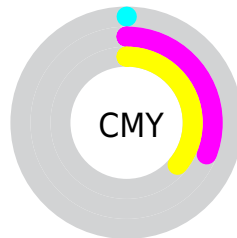


Cyan (0%)

Magenta (31%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.5643, 0.3959, 0.3419 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 54.5643, 0.3959, 0.3419 by changing the saturation by 10% instead.





 54.5643, 0.3959,  
0.3419


 54.5643, 0.3959,  
0.3419

404.2582, 0.3550,  
0.3369

 39.0530, 0.4058,  
0.3427


 96.9023, 0.3812,  
0.3404

 26.8010, 0.4184,  
0.3435


 124.4978, 0.3756,  
0.3398

 17.4238, 0.4348,  
0.3441

156.8901, 0.3709,  
0.3392

 10.5371, 0.4570,  
0.3443

194.4637, 0.3668,  
0.3387

 5.7565, 0.4884,  
0.3432

237.6029, 0.3633,  
0.3382

 2.6976, 0.5356,  
0.3383

286.6921, 0.3602,

 0.9760, 0.6554,

0.3377

0.3446

342.1157, 0.3574,  
0.3373

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.5643, 0.3959,  
0.3419

■ 54.5643, 0.3959,  
0.3419

■ 45.8083, 0.4309,  
0.3454

■ 64.9230, 0.3666,  
0.3382

■ 38.5722, 0.4713,  
0.3480

■ 76.9563, 0.3425,  
0.3345

■ 32.7696, 0.5155,  
0.3493

■ 90.7349, 0.3228,  
0.3310

■ 28.3045, 0.5594,  
0.3485

100.0000, 0.3127,  
0.3290

■ 25.0687, 0.5974,  
0.3451

■ 22.9369, 0.6235,  
0.3395

■ 22.3647, 0.6306,  
0.3375

# Harmonies

## Analogous

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



54.5643, 0.3688, 0.3072



54.5643, 0.3959, 0.3419



54.5643, 0.3985, 0.3761

# Triad

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



54.5643, 0.3959, 0.3419



54.5643, 0.2949, 0.3885



54.5643, 0.2496, 0.2594

# Complementary

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



54.5643, 0.3959, 0.3419



79.0955, 0.2600, 0.3155

# 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.



54.5643, 0.2333, 0.2747



54.5643, 0.3959, 0.3419



54.5643, 0.2579, 0.3495

# Square

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



54.5643, 0.3959, 0.3419



54.5643, 0.3385, 0.4077



54.5643, 0.2360, 0.3068



54.5643, 0.2828, 0.2614



# Rectangle

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



54.5643, 0.3959, 0.3419



54.5643, 0.3864, 0.3946



54.5643, 0.2360, 0.3068



54.5643, 0.2421, 0.2625

# Sweetspot

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



54.5652, 0.3959, 0.3419



83.7390, 0.3320, 0.3327



53.9971, 0.3255, 0.2486



17.5269, 0.3347, 0.3332



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.



54.5652, 0.3959, 0.3419



48.3429, 0.4195, 0.3443



74.9475, 0.3791, 0.3872



18.3693, 0.3291, 0.3322



11.8032, 0.6288, 0.3389



1.2624, 0.6115, 0.3527



# Inverse Universe

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



79.0955, 0.2600, 0.3155



75.9921, 0.2514, 0.3125



55.5112, 0.2526, 0.2626



20.0528, 0.2980, 0.3258



31.1437, 0.2131, 0.2871



3.1401, 0.2145, 0.2923



# Previews

## White Background



This preview shows how the Yxy color 54.5643, 0.3959, 0.3419 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 54.5643, 0.3959, 0.3419 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 54.5643, 0.3959, 0.3419**

## Background



This preview shows how black text looks on a background with the Yxy color 54.5643, 0.3959, 0.3419.



This preview shows how white text looks on a background with the Yxy color 54.5643, 0.3959, 0.3419.

# 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

54.5643, 0.3959, 0.3419

### Protanopia

54.8847, 0.3369, 0.3559

### Deuteranopia

54.7084, 0.3674, 0.3603



## Tritanopia

54.6499, 0.3762, 0.3166

# Trichromacy



**Original Color**

54.5643, 0.3959, 0.3419

**Protanomaly**

54.5190, 0.3580, 0.3512

**Deuteranomaly**

54.4801, 0.3779, 0.3527

**Tritanomaly**

54.7064, 0.3833, 0.3261

# Monochromacy



**Original Color**

54.5643, 0.3959, 0.3419

**Achromatopsia**

56.4712, 0.3127, 0.3290

**Achromatomaly**

55.3898, 0.3409, 0.3349

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.5643, 0.3959, 0.3419 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, 175, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 163)  
}
```

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, 175, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 54.5643, 0.3959, 0.3419 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, 175, 163) }
```

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

```
.border{ border-color:rgb(255, 175, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 175, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 175, 163); box-shadow:4px 4px 4px 4px rgb(255, 175, 163) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.5643, 0.3959, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 163) }
```

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

```
.background{ background-color: rgb(255,  
175, 163) }
```

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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