

# Converting Colors

$Yxy(56.0387, 0.4004, 0.3430)$

Have a look what the booklet for  
Yxy(56.0387, 0.4004, 0.3430)  
contains.

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# Color

**Yxy(54.9550, 0.3955, 0.3429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB0A3
RGB	255, 176, 163
RGB Percent	100%, 69%, 64%
CMY	0.0000, 0.3098, 0.3607
CMYK	0.00, 0.31, 0.36, 0.00
HSL	8°, 100%, 82%
HSV	8°, 36%, 100%
XYZ	63.3850, 54.9550, 41.9254
YIQ	198.1390, 51.2570, 12.7050

# Conversions

## Conversions Part 2

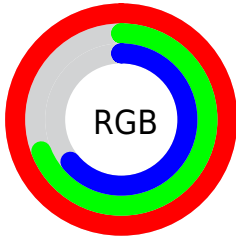
Format	Color
R <sub>Y</sub> B	255, 178, 163
Decimal	16756899
CIE Lab	79.02, 27.29, 18.32
CIE LCh	79, 32.866, 33.872
Yxy	54.9550, 0.3955, 0.3429
Android (android.graphics.Color)	4294946979 (0xFFFFB0A3)
YUV	198.1390, -17.3235, 49.8671
Hunter-Lab	74.1316, 22.8929, 18.3605

# Details

The Yxy color **54.9550, 0.3955, 0.3429** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **78.5293, 0.2599, 0.3144**, and the grayscale version is **56.6421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0352, 0.3378, 0.3430**, and **27.0494, 0.4178, 0.3454** is the 20% darker color. If you saturate the color by 10%, you get **46.2214, 0.4302, 0.3466**, and if you desaturate by 10%, it is **65.2536, 0.3664, 0.3389**.

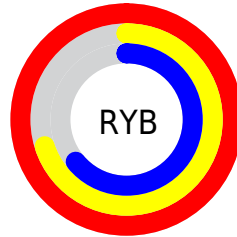
# Distribution



Red (100%)

Green (69%)

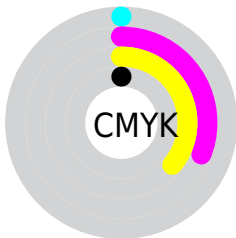
Blue (64%)



Red (100%)

Yellow (70%)

Blue (64%)

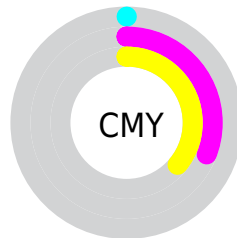


Cyan (0%)

Magenta (31%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9550, 0.3955, 0.3429 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 54.9550, 0.3955, 0.3429 by changing the saturation by 10% instead.





 54.9550, 0.3955,  
0.3429


 54.9550, 0.3955,  
0.3429


405.7413, 0.3548,  
0.3375

 39.3657, 0.4054,  
0.3438

 97.4750, 0.3809,  
0.3413

 27.0443, 0.4178,  
0.3448


 125.1745, 0.3754,  
0.3405

 17.6065, 0.4341,  
0.3456


157.6796, 0.3707,  
0.3399

 10.6679, 0.4560,  
0.3460

195.3745, 0.3666,  
0.3393

 5.8440, 0.4870,  
0.3453

238.6437, 0.3631,  
0.3388

 2.7504, 0.5336,  
0.3410

287.8717, 0.3600,

 1.0029, 0.6516,

0.3383

0.3484

343.4428, 0.3573,  
0.3379

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

54.9550, 0.3955,  
0.3429

54.9550, 0.3955,  
0.3429

46.2214, 0.4302,  
0.3466

65.2536, 0.3664,  
0.3389

38.9829, 0.4702,  
0.3496

77.1970, 0.3424,  
0.3349

33.1528, 0.5140,  
0.3510

90.8502, 0.3228,  
0.3312

28.6386, 0.5576,  
0.3502

100.0000, 0.3127,  
0.3290

■ 25.3364, 0.5955,  
0.3466

■ 23.1261, 0.6220,  
0.3407

■ 22.5195, 0.6293,  
0.3385

# Harmonies

## Analogous

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



54.9550, 0.3693, 0.3084



54.9550, 0.3955, 0.3429



54.9550, 0.3973, 0.3767

# Triad

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



54.9550, 0.3955, 0.3429



54.9550, 0.2939, 0.3869



54.9550, 0.2510, 0.2599

# Complementary

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



54.9550, 0.3955, 0.3429



78.5293, 0.2599, 0.3144

# 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.



54.9550, 0.2342, 0.2745



54.9550, 0.3955, 0.3429



54.9550, 0.2575, 0.3480

# Square

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



54.9550, 0.3955, 0.3429



54.9550, 0.3370, 0.4067



54.9550, 0.2364, 0.3059



54.9550, 0.2843, 0.2623



# Rectangle

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



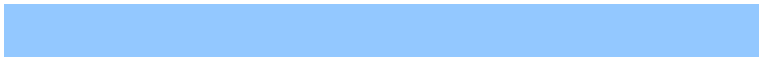
54.9550, 0.3955, 0.3429



54.9550, 0.3849, 0.3947



54.9550, 0.2364, 0.3059



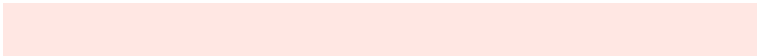
54.9550, 0.2434, 0.2628

# Sweetspot

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



54.9524, 0.3955, 0.3429



83.9025, 0.3320, 0.3330



53.9164, 0.3268, 0.2500



17.5655, 0.3347, 0.3335



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.



54.9524, 0.3955, 0.3429



48.7400, 0.4189, 0.3455



75.7626, 0.3785, 0.3886



18.4001, 0.3291, 0.3324



11.8914, 0.6274, 0.3400



1.2768, 0.6094, 0.3543



# Inverse Universe

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



78.5293, 0.2599, 0.3144



75.3188, 0.2512, 0.3111



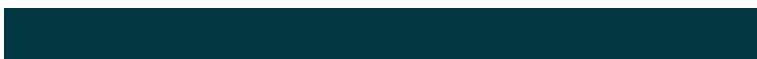
54.8257, 0.2524, 0.2607



20.0189, 0.2980, 0.3256



30.4229, 0.2121, 0.2836



3.0769, 0.2137, 0.2893



# Previews

## White Background



This preview shows how the Yxy color 54.9550, 0.3955, 0.3429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

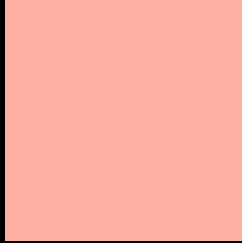
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.9550, 0.3955, 0.3429 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 54.9550, 0.3955, 0.3429**

## Background



This preview shows how black text looks on a background with the Yxy color 54.9550, 0.3955, 0.3429.



This preview shows how white text looks on a background with the Yxy color 54.9550, 0.3955, 0.3429.

# 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

54.9550, 0.3955, 0.3429

### Protanopia

55.0265, 0.3377, 0.3558

### Deuteranopia

54.8705, 0.3683, 0.3602



## Tritanopia

55.0773, 0.3750, 0.3166

# Trichromacy



## Original Color

54.9550, 0.3955, 0.3429



## Protanomaly

54.5190, 0.3580, 0.3512



## Deuteranomaly

54.8941, 0.3776, 0.3538



## Tritanomaly

55.1343, 0.3821, 0.3261

# Monochromacy



## Original Color

54.9550, 0.3955, 0.3429



## 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 54.9550, 0.3955, 0.3429 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, 176, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 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, 176, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9550, 0.3955, 0.3429 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, 176, 163) }
```

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

```
.border{ border-color:rgb(255, 176, 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, 176, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9550, 0.3955, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 163) }
```

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

```
.background{ background-color: rgb(255,  
176, 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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