

# Converting Colors

$Y_{xy}(76.3034, 0.4838, 0.3577)$

Have a look what the booklet for  
Yxy(76.3034, 0.4838, 0.3577)  
contains.

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# Color

**Yxy(54.9649, 0.4161, 0.3700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB28B
RGB	255, 178, 139
RGB Percent	100%, 70%, 55%
CMY	0.0001, 0.3019, 0.4549
CMYK	0.00, 0.30, 0.45, 0.00
HSL	20°, 100%, 77%
HSV	20°, 45%, 100%
XYZ	61.8132, 54.9649, 31.7757
YIQ	196.5770, 58.4110, 4.1950

# Conversions

## Conversions Part 2

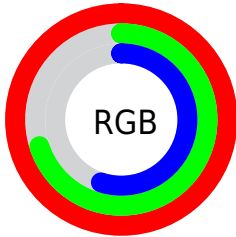
Format	Color
R <sub>Y</sub> B	255, 198, 139
Decimal	16757387
CIE Lab	79.02, 23.62, 31.17
CIE LCh	79, 39.109, 52.842
Yxy	54.9649, 0.4161, 0.3700
Android (android.graphics.Color)	4294947467 (0xFFFFB28B)
YUV	196.5770, -28.3855, 51.2370
Hunter-Lab	74.1383, 19.0833, 26.4852

# Details

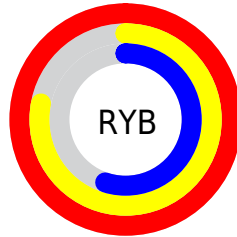
The Yxy color **54.9649, 0.4161, 0.3700** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.7937, 0.2434, 0.2825**, and the grayscale version is **55.7156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9559, 0.3542, 0.3704**, and **27.1076, 0.4440, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **47.9837, 0.4488, 0.3778**, and if you desaturate by 10%, it is **62.9556, 0.3869, 0.3610**.

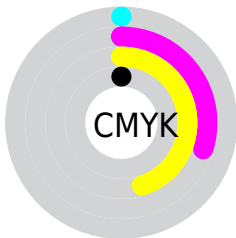
# Distribution



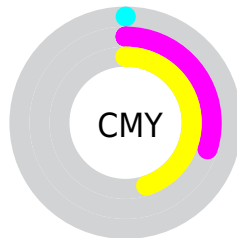
- Red (100%)
- Green (70%)
- Blue (55%)



- Red (100%)
- Yellow (78%)
- Blue (55%)



- Cyan (0%)
- Magenta (30%)
- Yellow (45%)
- Black (0%)




- Cyan (0%)
- Magenta (30%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9649, 0.4161, 0.3700 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 54.9649, 0.4161, 0.3700 by changing the saturation by 10% instead.





 54.9649, 0.4161,  
0.3700


 54.9649, 0.4161,  
0.3700


405.7789, 0.3656,  
0.3524

 39.3736, 0.4281,  
0.3734


 97.4895, 0.3982,  
0.3643

 27.0505, 0.4431,  
0.3773


 125.1917, 0.3913,  
0.3620

 17.6112, 0.4622,  
0.3815


 157.6995, 0.3855,  
0.3599

 10.6712, 0.4873,  
0.3856

195.3976, 0.3804,  
0.3581

 5.8462, 0.5210,  
0.3884

238.6701, 0.3760,  
0.3564

 2.7518, 0.5854,  
0.3982

287.9016, 0.3721,

 1.0036, 0.6326,

0.3550

0.3674

343.4764, 0.3687,  
0.3536

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

54.9649, 0.4161,  
0.3700

54.9649, 0.4161,  
0.3700

47.9837, 0.4488,  
0.3778

62.9556, 0.3869,  
0.3610

41.9616, 0.4840,  
0.3832

71.9874, 0.3616,  
0.3516

36.8556, 0.5196,  
0.3851

82.1004, 0.3400,  
0.3424

32.6154, 0.5527,  
0.3821

93.3298, 0.3216,  
0.3336

■ 29.1845, 0.5800,  
0.3741

99.9950, 0.3127,  
0.3290

■ 27.8773, 0.5903,  
0.3695

# Harmonies

## Analogous

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



54.9649, 0.4030, 0.3292



54.9649, 0.4161, 0.3700



54.9649, 0.3989, 0.4051

# Triad

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



54.9649, 0.4161, 0.3700



54.9649, 0.2612, 0.3704



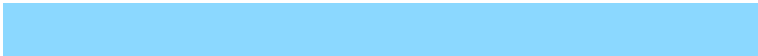
54.9649, 0.2626, 0.2477

# Complementary

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



54.9649, 0.4161, 0.3700



61.7937, 0.2434, 0.2825

# 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.



54.9649, 0.2306, 0.2514



54.9649, 0.4161, 0.3700



54.9649, 0.2295, 0.3183

# Square

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



54.9649, 0.4161, 0.3700



54.9649, 0.3082, 0.4112



54.9649, 0.2190, 0.2754



54.9649, 0.3104, 0.2621



# Rectangle

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



54.9649, 0.4161, 0.3700



54.9649, 0.3740, 0.4196



54.9649, 0.2190, 0.2754



54.9649, 0.2498, 0.2468

# Sweetspot

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



54.9676, 0.4161, 0.3700



83.7169, 0.3370, 0.3410



44.6935, 0.3532, 0.2510



17.4241, 0.3413, 0.3430



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.



54.9676, 0.4161, 0.3700



48.3115, 0.4471, 0.3775



82.9053, 0.3884, 0.4249



18.9857, 0.3286, 0.3371



14.8152, 0.5873, 0.3718



1.6346, 0.5654, 0.3892



# Inverse Universe

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



61.7937, 0.2434, 0.2825



55.8671, 0.2307, 0.2707



37.2722, 0.2304, 0.2096



19.3914, 0.2980, 0.3208



18.9256, 0.1930, 0.2148



2.0446, 0.1970, 0.2293



# Previews

## White Background



This preview shows how the Yxy color 54.9649, 0.4161, 0.3700 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

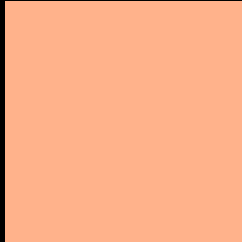
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.9649, 0.4161, 0.3700 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 54.9649, 0.4161, 0.3700**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.9649, 0.4161, 0.3700.



This preview shows how white text looks on a background with the Yxy color 54.9649, 0.4161, 0.3700.

# 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

54.9649, 0.4161, 0.3700

### Protanopia

55.2881, 0.3622, 0.3882

### Deuteranopia

55.2650, 0.3945, 0.3863



## Tritanopia

55.0773, 0.3750, 0.3166

# Trichromacy



## Original Color

54.9649, 0.4161, 0.3700

## Protanomaly

54.5776, 0.3812, 0.3811

## Deuteranomaly

54.9932, 0.4026, 0.3795

## Tritanomaly

54.7845, 0.3903, 0.3356

# Monochromacy



## Original Color

54.9649, 0.4161, 0.3700

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

54.8669, 0.3474, 0.3455

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.9649, 0.4161, 0.3700 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, 178, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 139)  
}
```

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, 178, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9649, 0.4161, 0.3700 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, 178, 139) }
```

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

```
.border{ border-color:rgb(255, 178, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9649, 0.4161, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 139) }
```

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

```
.background{ background-color: rgb(255,  
178, 139) }
```

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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