

# Converting Colors

$Y_{xy}(73.5886, 0.4897, 0.3472)$

Have a look what the booklet for  
Yxy(73.5886, 0.4897, 0.3472)  
contains.

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# Color

**Yxy(51.2484, 0.4176, 0.3555)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA88F
RGB	255, 168, 143
RGB Percent	100%, 66%, 56%
CMY	0.0000, 0.3411, 0.4392
CMYK	0.00, 0.34, 0.44, 0.00
HSL	13°, 100%, 78%
HSV	13°, 44%, 100%
XYZ	60.2007, 51.2484, 32.7096
YIQ	191.1630, 59.8770, 10.6690

# Conversions

## Conversions Part 2

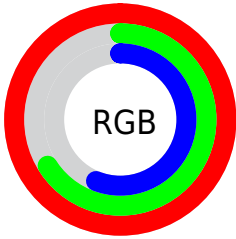
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 175, 143
Decimal	16754831
CIE <sub>Lab</sub>	76.83, 29.27, 26.10
CIE <sub>LCh</sub>	77, 39.218, 41.727
Yxy	51.2484, 0.4176, 0.3555
Android (android.graphics.Color)	4294944911 (0xFFFFA88F)
YUV	191.1630, -23.7444, 55.9850
Hunter-Lab	71.5880, 24.8274, 23.0211

# Details

The Yxy color **51.2484, 0.4176, 0.3555** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **69.6556, 0.2482, 0.2998**, and the grayscale version is **52.3161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6025, 0.3537, 0.3565**, and **24.6363, 0.4464, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **43.7982, 0.4537, 0.3607**, and if you desaturate by 10%, it is **59.9933, 0.3862, 0.3495**.

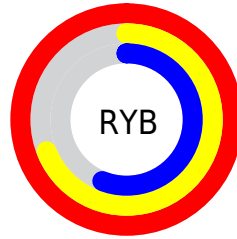
# Distribution



Red (100%)

Green (66%)

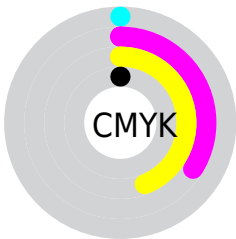
Blue (56%)



Red (100%)

Yellow (69%)

Blue (56%)

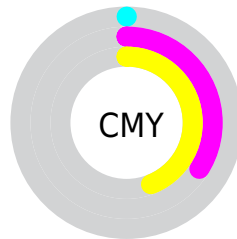


Cyan (0%)

Magenta (34%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (34%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2484, 0.4176, 0.3555 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 51.2484, 0.4176, 0.3555 by changing the saturation by 10% instead.





 51.2484, 0.4176,  
0.3555

 51.2484, 0.4176,  
0.3555


391.5281, 0.3656,  
0.3448

 36.4063, 0.4303,  
0.3574


 92.0218, 0.3989,  
0.3522

 24.7482, 0.4462,  
0.3593


 118.7220, 0.3918,  
0.3508

 15.8895, 0.4670,  
0.3611


150.1437, 0.3858,  
0.3495

 9.4460, 0.4947,  
0.3621

186.6712, 0.3806,  
0.3484

 5.0332, 0.5331,  
0.3607

228.6890, 0.3761,  
0.3473

 2.2668, 0.6052,  
0.3622

276.5815, 0.3722,

 0.7560, 0.6767,

0.3464

0.3233

330.7331, 0.3687,  
0.3455

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

51.2484, 0.4176,  
0.3555

51.2484, 0.4176,  
0.3555

43.7982, 0.4537,  
0.3607

59.9933, 0.3862,  
0.3495

37.5729, 0.4936,  
0.3640

70.0834, 0.3596,  
0.3432

32.5074, 0.5345,  
0.3646

81.5756, 0.3374,  
0.3370

28.5270, 0.5725,  
0.3614

94.5211, 0.3190,  
0.3312

■ 25.5476, 0.6026, 99.9996, 0.3127,  
0.3543 0.3290

■ 24.1775, 0.6162,  
0.3489

# Harmonies

## Analogous

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



51.2484, 0.3928, 0.3139



51.2484, 0.4176, 0.3555



51.2484, 0.4109, 0.3948

# Triad

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



51.2484, 0.4176, 0.3555



51.2484, 0.2763, 0.3898



51.2484, 0.2469, 0.2449

# Complementary

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



51.2484, 0.4176, 0.3555



69.6556, 0.2482, 0.2998

# 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.



51.2484, 0.2216, 0.2561



51.2484, 0.4176, 0.3555



51.2484, 0.2371, 0.3376

# Square

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



51.2484, 0.4176, 0.3555



51.2484, 0.3275, 0.4219



51.2484, 0.2181, 0.2882



51.2484, 0.2908, 0.2531



# Rectangle

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



51.2484, 0.4176, 0.3555



51.2484, 0.3908, 0.4148



51.2484, 0.2181, 0.2882



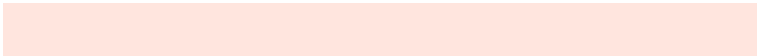
51.2484, 0.2362, 0.2463

# Sweetspot

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



51.2509, 0.4176, 0.3555



82.7025, 0.3356, 0.3364



46.6625, 0.3390, 0.2417



17.1261, 0.3401, 0.3378



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.



51.2509, 0.4176, 0.3555



44.4301, 0.4503, 0.3603



76.1621, 0.3913, 0.4102



18.6444, 0.3289, 0.3344



12.8139, 0.6136, 0.3510



1.4019, 0.5925, 0.3678



# Inverse Universe

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



69.6556, 0.2482, 0.2998



64.9634, 0.2372, 0.2926



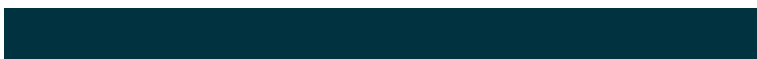
43.6197, 0.2364, 0.2309



19.7531, 0.2980, 0.3236



25.1295, 0.2042, 0.2552



2.6078, 0.2068, 0.2646



# Previews

## White Background



This preview shows how the Yxy color 51.2484, 0.4176, 0.3555 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

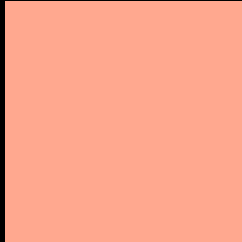
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.2484, 0.4176, 0.3555 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 51.2484, 0.4176, 0.3555**

## Background



This preview shows how black text looks on a background with the Yxy color 51.2484, 0.4176, 0.3555.



This preview shows how white text looks on a background with the Yxy color 51.2484, 0.4176, 0.3555.

# 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

51.2484, 0.4176, 0.3555

### Protanopia

51.6834, 0.3522, 0.3752

### Deuteranopia

51.3569, 0.3866, 0.3781



## Tritanopia

51.3049, 0.3871, 0.3176

# Trichromacy



## Original Color

51.2484, 0.4176, 0.3555

## Protanomaly

50.9980, 0.3752, 0.3682

## Deuteranomaly

51.2002, 0.3980, 0.3697

## Tritanomaly

51.2128, 0.3984, 0.3314

# Monochromacy



## Original Color

51.2484, 0.4176, 0.3555

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

51.2191, 0.3471, 0.3399

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.2484, 0.4176, 0.3555 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, 168, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 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, 168, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 51.2484, 0.4176, 0.3555 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, 168, 143) }
```

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

```
.border{ border-color:rgb(255, 168, 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, 168, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.2484, 0.4176, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 143) }
```

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

```
.background{ background-color: rgb(255,  
168, 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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