

# Converting Colors

$Y_{xy}(55.2079, 0.4507, 0.3670)$

Have a look what the booklet for  
Yxy(55.2079, 0.4507, 0.3670)  
contains.

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# Color

**Yxy(50.8238, 0.4314, 0.3708)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFA880
RGB	255, 168, 128
RGB Percent	100%, 66%, 50%
CMY	0.0001, 0.3411, 0.4981
CMYK	0.00, 0.34, 0.50, 0.00
HSL	19°, 100%, 75%
HSV	19°, 50%, 100%
XYZ	59.1300, 50.8238, 27.1115
YIQ	189.4530, 64.6920, 6.0040

# Conversions

## Conversions Part 2

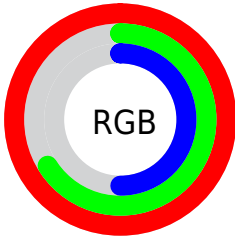
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 186, 128
Decimal	16754816
CIE Lab	76.57, 27.82, 33.78
CIE LCh	77, 43.762, 50.533
Yxy	50.8238, 0.4314, 0.3708
Android (android.graphics.Color)	4294944896 (0xFFFFA880)
YUV	189.4530, -30.2963, 57.4847
Hunter-Lab	71.2908, 23.2924, 27.3559

# Details

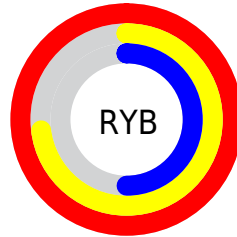
The Yxy color **50.8238, 0.4314, 0.3708** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **60.3744, 0.2381, 0.2806**, and the grayscale version is **51.3123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9075, 0.3650, 0.3730**, and **24.4136, 0.4634, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **44.2168, 0.4662, 0.3772**, and if you desaturate by 10%, it is **58.4700, 0.4000, 0.3628**.

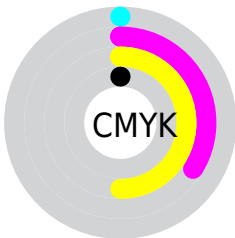
# Distribution



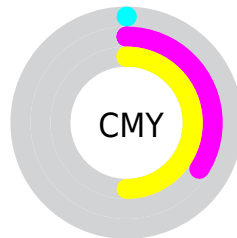
- Red (100%)
- Green (66%)
- Blue (50%)



- Red (100%)
- Yellow (73%)
- Blue (50%)



- Cyan (0%)
- Magenta (34%)
- Yellow (50%)
- Black (0%)




- Cyan (0%)
- Magenta (34%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8238, 0.4314, 0.3708 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 50.8238, 0.4314, 0.3708 by changing the saturation by 10% instead.




 50.8238, 0.4314,  
0.3708


 50.8238, 0.4314,  
0.3708


389.8788, 0.3728,  
0.3534


 36.0684, 0.4454,  
0.3739


 91.3943, 0.4105,  
0.3654

 24.4870, 0.4630,  
0.3772


 117.9781, 0.4025,  
0.3631

 15.6953, 0.4854,  
0.3804


 149.2736, 0.3957,  
0.3610

 9.3088, 0.5146,  
0.3826

185.6651, 0.3899,  
0.3592

 4.9431, 0.5537,  
0.3814

227.5369, 0.3848,  
0.3575

 2.2139, 0.6205,  
0.3795

275.2736, 0.3803,

 0.7276, 0.6718,

0.3560

0.3282

329.2594, 0.3763,  
0.3547

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.8238, 0.4314,  
0.3708

50.8238, 0.4314,  
0.3708

44.2168, 0.4662,  
0.3772

58.4700, 0.4000,  
0.3628

38.5942, 0.5029,  
0.3808

67.1917, 0.3726,  
0.3541

33.9075, 0.5389,  
0.3803

77.0327, 0.3491,  
0.3453

30.0997, 0.5706,  
0.3750

88.0317, 0.3292,  
0.3368

■ 27.1003, 0.5953,  
0.3654

99.9941, 0.3127,  
0.3290

■ 27.0481, 0.5957,  
0.3652

# Harmonies

## Analogous

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



50.8238, 0.4140, 0.3248



50.8238, 0.4314, 0.3708



50.8238, 0.4134, 0.4123

# Triad

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



50.8238, 0.4314, 0.3708



50.8238, 0.2571, 0.3814



50.8238, 0.2519, 0.2366

# Complementary

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



50.8238, 0.4314, 0.3708



60.3744, 0.2381, 0.2806

# 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.



50.8238, 0.2178, 0.2420



50.8238, 0.4314, 0.3708



50.8238, 0.2200, 0.3204

# Square

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



50.8238, 0.4314, 0.3708



50.8238, 0.3112, 0.4270



50.8238, 0.2067, 0.2701



50.8238, 0.3051, 0.2515



# Rectangle

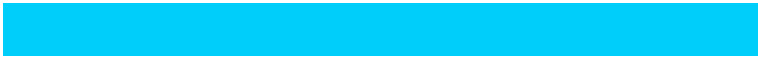
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.8238, 0.4314, 0.3708



50.8238, 0.3857, 0.4313



50.8238, 0.2067, 0.2701



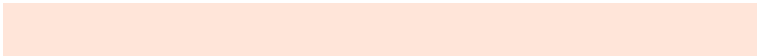
50.8238, 0.2381, 0.2360

# Sweetspot

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



50.8263, 0.4314, 0.3708



82.1899, 0.3391, 0.3411



41.6931, 0.3542, 0.2403



17.1023, 0.3434, 0.3429



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.



50.8263, 0.4314, 0.3708



44.1079, 0.4669, 0.3773



79.1687, 0.3977, 0.4295



18.9215, 0.3286, 0.3366



14.3717, 0.5928, 0.3675

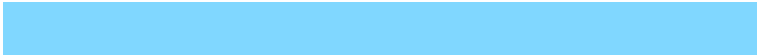


1.5854, 0.5707, 0.3850



# Inverse Universe

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



60.3744, 0.2381, 0.2806



54.5555, 0.2255, 0.2687



34.7153, 0.2228, 0.2014



19.4586, 0.2980, 0.3213



19.9926, 0.1951, 0.2224



2.1428, 0.1989, 0.2360



# Previews

## White Background



This preview shows how the Yxy color 50.8238, 0.4314, 0.3708 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

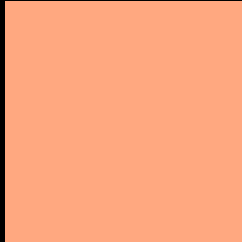
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.8238, 0.4314, 0.3708 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

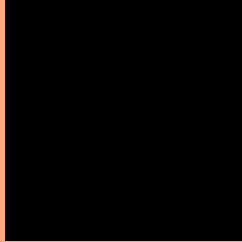
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.8238, 0.4314, 0.3708**

## Background



This preview shows how black text looks on a background with the Yxy color 50.8238, 0.4314, 0.3708.



This preview shows how white text looks on a background with the Yxy color 50.8238, 0.4314, 0.3708.

# 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

50.8238, 0.4314, 0.3708

### Protanopia

51.0387, 0.3672, 0.3936

### Deuteranopia

50.8593, 0.4016, 0.3935



## Tritanopia

50.9061, 0.3884, 0.3176

# Trichromacy



**Original Color**

50.8238, 0.4314, 0.3708

**Protanomaly**

50.4570, 0.3904, 0.3843

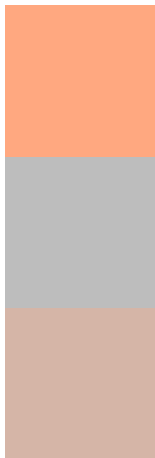
**Deuteranomaly**

50.5616, 0.4125, 0.3847

**Tritanomaly**

50.6389, 0.4046, 0.3367

# Monochromacy



**Original Color**

50.8238, 0.4314, 0.3708

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

49.9839, 0.3527, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.8238, 0.4314, 0.3708 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 50.8238, 0.4314, 0.3708 is called "border". The border property can be set on classes, ids or directly on the HTML element.

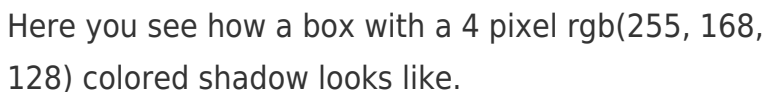
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 168, 128) }
```

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

```
.border{ border-color:rgb(255, 168, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 168, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 168, 128); box-shadow:4px 4px 4px 4px rgb(255, 168, 128) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.8238, 0.4314, 0.3708 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, 128) }
```

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

```
.background{ background-color: rgb(255,  
168, 128) }
```

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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