

# Converting Colors

$Y_{xy}(72.2615, 0.5038, 0.3582)$

Have a look what the booklet for  
Yxy(72.2615, 0.5038, 0.3582)  
contains.

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# **Color**

**Yxy(50.0131, 0.4353, 0.3717)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFA67D
RGB	255, 166, 125
RGB Percent	100%, 65%, 49%
CMY	0.0001, 0.3489, 0.5098
CMYK	0.00, 0.35, 0.51, 0.00
HSL	19°, 100%, 75%
HSV	19°, 51%, 100%
XYZ	58.5706, 50.0131, 25.9686
YIQ	187.9370, 66.2050, 6.1170

# Conversions

## Conversions Part 2

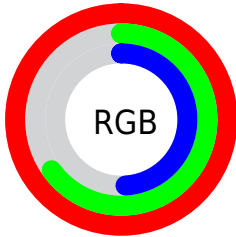
Format	Color
R <sub>Y</sub> B	255, 185, 125
Decimal	16754301
CIE Lab	76.08, 28.60, 34.72
CIE LCh	76, 44.986, 50.524
Yxy	50.0131, 0.4353, 0.3717
Android (android.graphics.Color)	4294944381 (0xFFFFA67D)
YUV	187.9370, -31.0279, 58.8143
Hunter-Lab	70.7199, 24.0747, 27.7325

# Details

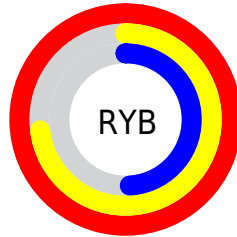
The Yxy color **50.0131, 0.4353, 0.3717** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **59.6482, 0.2366, 0.2792**, and the grayscale version is **50.4049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7169, 0.3677, 0.3741**, and **23.9204, 0.4688, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **43.5246, 0.4704, 0.3779**, and if you desaturate by 10%, it is **57.5347, 0.4035, 0.3638**.

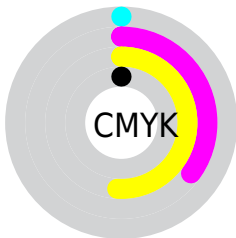
# Distribution



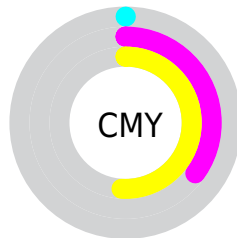
- Red (100%)
- Green (65%)
- Blue (49%)



- Red (100%)
- Yellow (73%)
- Blue (49%)



- Cyan (0%)
- Magenta (35%)
- Yellow (51%)
- Black (0%)




- Cyan (0%)
- Magenta (35%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0131, 0.4353, 0.3717 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 50.0131, 0.4353, 0.3717 by changing the saturation by 10% instead.





 50.0131, 0.4353,  
0.3717

 50.0131, 0.4353,  
0.3717

386.7172, 0.3747,  
0.3541

 35.4238, 0.4498,  
0.3748


 90.1943, 0.4137,  
0.3662

 23.9895, 0.4680,  
0.3780


 116.5550, 0.4054,  
0.3639

 15.3258, 0.4911,  
0.3810


 147.6082, 0.3984,  
0.3618

 9.0484, 0.5212,  
0.3827

183.7385, 0.3923,  
0.3599

 4.7728, 0.5619,  
0.3810

225.3301, 0.3870,  
0.3582

 2.1146, 0.6256,  
0.3744

272.7675, 0.3824,

 0.6728, 0.6818,

0.3567

0.3182

326.4351, 0.3783,  
0.3553

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.0131, 0.4353,  
0.3717

50.0131, 0.4353,  
0.3717

43.5246, 0.4704,  
0.3779

57.5347, 0.4035,  
0.3638

38.0143, 0.5072,  
0.3810

66.1260, 0.3756,  
0.3551

33.4328, 0.5428,  
0.3800

75.8311, 0.3516,  
0.3463

29.7226, 0.5737,  
0.3741

86.6890, 0.3313,  
0.3378

■ 27.0612, 0.5957,  
0.3652

■ 98.7369, 0.3142,  
0.3298

99.9949, 0.3127,  
0.3290

# Harmonies

## Analogous

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



50.0131, 0.4174, 0.3245



50.0131, 0.4353, 0.3717



50.0131, 0.4165, 0.4146

# Triad

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



50.0131, 0.4353, 0.3717



50.0131, 0.2552, 0.3832



50.0131, 0.2499, 0.2339

# Complementary

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



50.0131, 0.4353, 0.3717



59.6482, 0.2366, 0.2792

# Split Complementary

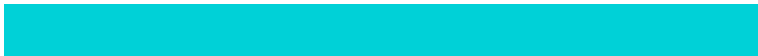
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.0131, 0.2149, 0.2393



50.0131, 0.4353, 0.3717



50.0131, 0.2172, 0.3200

# Square

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



50.0131, 0.4353, 0.3717



50.0131, 0.3110, 0.4306



50.0131, 0.2036, 0.2681



50.0131, 0.3047, 0.2492



# Rectangle

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



50.0131, 0.4353, 0.3717



50.0131, 0.3879, 0.4345



50.0131, 0.2036, 0.2681



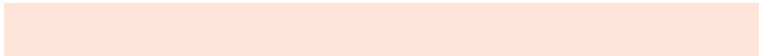
50.0131, 0.2358, 0.2333

# Sweetspot

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



50.0156, 0.4353, 0.3717



82.1968, 0.3391, 0.3412



40.8795, 0.3555, 0.2384



17.1039, 0.3434, 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.



50.0156, 0.4353, 0.3717



43.5196, 0.4705, 0.3779



78.7625, 0.3998, 0.4316



18.9225, 0.3286, 0.3366



14.3782, 0.5927, 0.3676

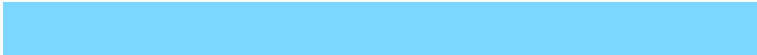


1.5862, 0.5706, 0.3851



# Inverse Universe

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



59.6482, 0.2366, 0.2792



53.9965, 0.2243, 0.2674



33.7103, 0.2205, 0.1978



19.4576, 0.2980, 0.3213



19.9760, 0.1951, 0.2223



2.1413, 0.1989, 0.2359



# Previews

## White Background



This preview shows how the Yxy color 50.0131, 0.4353, 0.3717 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 50.0131, 0.4353, 0.3717 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

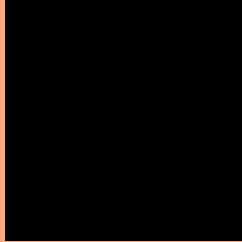
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.0131, 0.4353, 0.3717**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.0131, 0.4353, 0.3717.



This preview shows how white text looks on a background with the Yxy color 50.0131, 0.4353, 0.3717.

# 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

50.0131, 0.4353, 0.3717

### Protanopia

50.3842, 0.3691, 0.3964

### Deuteranopia

50.2164, 0.4037, 0.3960



## Tritanopia

50.1178, 0.3911, 0.3176

# Trichromacy



**Original Color**

50.0131, 0.4353, 0.3717

**Protanomaly**

49.8108, 0.3925, 0.3868

**Deuteranomaly**

50.0945, 0.4157, 0.3868

**Tritanomaly**

49.8547, 0.4074, 0.3367

# Monochromacy



**Original Color**

50.0131, 0.4353, 0.3717

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

49.3562, 0.3537, 0.3473

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0131, 0.4353, 0.3717 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, 166, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 125)  
}
```

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, 166, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0131, 0.4353, 0.3717 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, 166, 125) }
```

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

```
.border{ border-color:rgb(255, 166, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0131, 0.4353, 0.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 125) }
```

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

```
.background{ background-color: rgb(255,  
166, 125) }
```

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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