

# Converting Colors

Yxy(50.1471, 0.4567, 0.3986)

Have a look what the booklet for  
Yxy(50.1471, 0.4567, 0.3986)  
contains.

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# **Color**

**Yxy(50.1471, 0.4567, 0.3986)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA862
RGB	255, 168, 98
RGB Percent	100%, 66%, 38%
CMY	0.0000, 0.3412, 0.6157
CMYK	0.00, 0.34, 0.62, 0.00
HSL	27°, 100%, 69%
HSV	27°, 62%, 100%
XYZ	57.4565, 50.1471, 18.2044
YIQ	186.0330, 74.3220, -3.3260

# Conversions

## Conversions Part 2

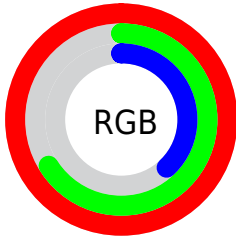
Format	Color
R <sub>Y</sub> B	255, 224, 98
Decimal	16754786
CIE Lab	76.16, 25.53, 48.72
CIE LCh	76, 55.000, 62.342
Yxy	50.1471, 0.4567, 0.3986
Android (android.graphics.Color)	4294944866 (0xFFFFA862)
YUV	186.0330, -43.4003, 60.4841
Hunter-Lab	70.8146, 20.9032, 34.3285

# Details

The Yxy color **50.1471, 0.4567, 0.3986** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.5164, 0.2174, 0.2393**, and the grayscale version is **49.3340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2374, 0.3868, 0.4032**, and **24.1735, 0.4909, 0.4088** is the 20% darker color. If you saturate the color by 10%, you get **44.7986, 0.4871, 0.4044**, and if you desaturate by 10%, it is **56.2080, 0.4268, 0.3895**.

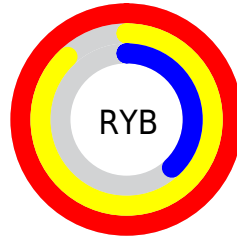
# Distribution



Red (100%)

Green (66%)

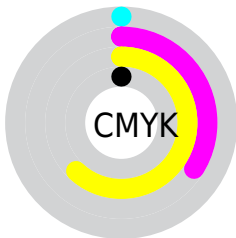
Blue (38%)



Red (100%)

Yellow (88%)

Blue (38%)

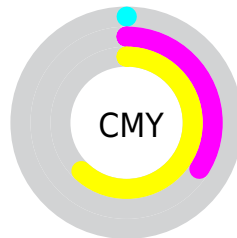


Cyan (0%)

Magenta (34%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (34%)


Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1471, 0.4567, 0.3986 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 50.1471, 0.4567, 0.3986 by changing the saturation by 10% instead.





 50.1471, 0.4567,  
0.3986


 50.1471, 0.4567,  
0.3986

387.2409, 0.3871,  
0.3700


 35.5303, 0.4725,  
0.4034


 90.3928, 0.4324,  
0.3899


 24.0717, 0.4916,  
0.4082


 116.7905, 0.4230,  
0.3861

 15.3868, 0.5149,  
0.4123


 147.8839, 0.4148,  
0.3827

 9.0913, 0.5429,  
0.4137

 184.0574, 0.4078,  
0.3796

 4.8008, 0.5851,  
0.4149

225.6955, 0.4016,  
0.3768

 2.1308, 0.6121,  
0.3879

273.1825, 0.3962,

 0.6819, 0.6642,

0.3743

0.3358

326.9029, 0.3914,  
0.3720

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.1471, 0.4567,  
0.3986

50.1471, 0.4567,  
0.3986

44.7986, 0.4871,  
0.4044

56.2080, 0.4268,  
0.3895

40.1413, 0.5162,  
0.4056

63.0238, 0.3990,  
0.3783

36.1341, 0.5417,  
0.4012

70.6187, 0.3738,  
0.3662

33.2230, 0.5597,  
0.3938

79.0193, 0.3515,  
0.3540

88.2506, 0.3320,  
0.3420

98.3365, 0.3151,  
0.3307

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



50.1471, 0.4546, 0.3432



50.1471, 0.4567, 0.3986



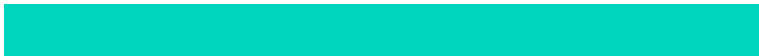
50.1471, 0.4173, 0.4466

# Triad

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



50.1471, 0.4567, 0.3986



50.1471, 0.2216, 0.3645



50.1471, 0.2601, 0.2208

# Complementary

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



50.1471, 0.4567, 0.3986



44.5164, 0.2174, 0.2393

# 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.



50.1471, 0.2092, 0.2164



50.1471, 0.4567, 0.3986



50.1471, 0.1888, 0.2884

# Square

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



50.1471, 0.4567, 0.3986



50.1471, 0.2808, 0.4375



50.1471, 0.1851, 0.2377



50.1471, 0.3323, 0.2471



# Rectangle

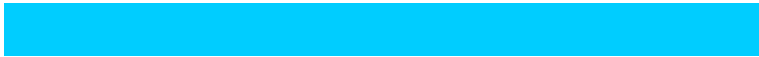
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.1471, 0.4567, 0.3986



50.1471, 0.3758, 0.4651



50.1471, 0.1851, 0.2377



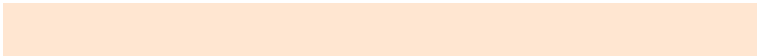
50.1471, 0.2403, 0.2167

# Sweetspot

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



50.1431, 0.4567, 0.3986



82.2190, 0.3442, 0.3497



33.5806, 0.3933, 0.2420



17.0384, 0.3501, 0.3532



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.



50.1431, 0.4567, 0.3986



43.6054, 0.4944, 0.4052



87.1643, 0.4051, 0.4649



19.3202, 0.3283, 0.3396



17.6471, 0.5569, 0.3960

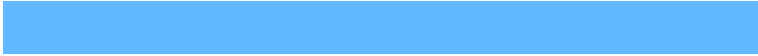


1.9322, 0.5374, 0.4115



# Inverse Universe

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



44.5164, 0.2174, 0.2393



37.4674, 0.2023, 0.2174



20.6391, 0.1949, 0.1411



19.0472, 0.2979, 0.3181



14.0783, 0.1822, 0.1759



1.5889, 0.1874, 0.1948



# Previews

## White Background



This preview shows how the Yxy color 50.1471, 0.4567, 0.3986 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 50.1471, 0.4567, 0.3986 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

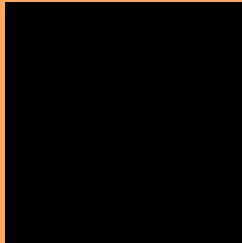
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.1471, 0.4567, 0.3986**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.1471, 0.4567, 0.3986.



This preview shows how white text looks on a background with the Yxy color 50.1471, 0.4567, 0.3986.

# 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

50.1471, 0.4567, 0.3986

### Protanopia

50.2518, 0.3949, 0.4290

### Deuteranopia

50.0553, 0.4298, 0.4207



## Tritanopia

50.1178, 0.3911, 0.3176

# Trichromacy



**Original Color**

50.1471, 0.4567, 0.3986

**Protanomaly**

49.8543, 0.4170, 0.4186

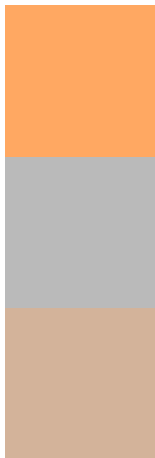
**Deuteranomaly**

50.0297, 0.4400, 0.4124

**Tritanomaly**

49.8862, 0.4167, 0.3482

# Monochromacy



**Original Color**

50.1471, 0.4567, 0.3986

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

48.4222, 0.3627, 0.3598

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.1471, 0.4567, 0.3986 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, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 98) }
```

## Border

The CSS property to change the border of an element to Yxy 50.1471, 0.4567, 0.3986 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, 98) }
```

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

```
.border{ border-color:rgb(255, 168, 98) }
```

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, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
98) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.1471, 0.4567, 0.3986 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, 98) }
```

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

```
.background{ background-color: rgb(255,  
168, 98) }
```

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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