

# Converting Colors

Yxy(51.1042, 0.4671, 0.4167)

Have a look what the booklet for  
Yxy(51.1042, 0.4671, 0.4167)  
contains.

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# **Color**

**Yxy(50.9503, 0.4675, 0.4163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAB4F
RGB	255, 171, 79
RGB Percent	100%, 67%, 31%
CMY	0.0000, 0.3294, 0.6901
CMYK	0.00, 0.33, 0.69, 0.00
HSL	31°, 100%, 65%
HSV	31°, 69%, 100%
XYZ	57.2166, 50.9503, 14.2215
YIQ	185.6280, 79.5960, -10.8040

# Conversions

## Conversions Part 2

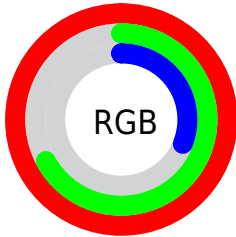
Format	Color
<b>RYB</b>	240, 255, 79
Decimal	16755535
CIELab	76.65, 22.83, 58.26
CIELCh	77, 62.578, 68.602
Yxy	50.9503, 0.4675, 0.4163
Android (android.graphics.Color)	4294945615 (0xFFFFAB4F)
YUV	185.6280, -52.5676, 60.8392
Hunter-Lab	71.3795, 18.1685, 38.1528

# Details

The Yxy color **50.9503, 0.4675, 0.4163** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **35.0884, 0.2034, 0.2076**, and the grayscale version is **49.1524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3187, 0.3971, 0.4229**, and **24.7289, 0.5015, 0.4275** is the 20% darker color. If you saturate the color by 10%, you get **46.2601, 0.4932, 0.4204**, and if you desaturate by 10%, it is **56.2097, 0.4406, 0.4078**.

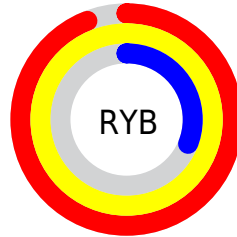
# Distribution



Red (100%)

Green (67%)

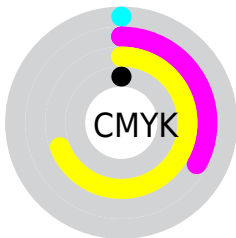
Blue (31%)



Red (94%)

Yellow (100%)

Blue (31%)

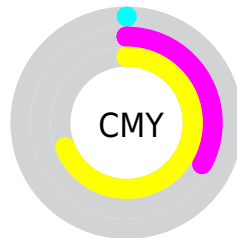


Cyan (0%)

Magenta (33%)

Yellow (69%)

Black (0%)



Cyan (0%)

Magenta (33%)


Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9503, 0.4675, 0.4163 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 50.9503, 0.4675, 0.4163 by changing the saturation by 10% instead.





 50.9503, 0.4675,  
0.4163


 50.9503, 0.4675,  
0.4163


390.3707, 0.3945,  
0.3810


 36.1691, 0.4832,  
0.4219


 91.5813, 0.4427,  
0.4058

 24.5648, 0.5016,  
0.4273


 118.1999, 0.4328,  
0.4011

 15.7531, 0.5229,  
0.4312


 149.5330, 0.4242,  
0.3969

 9.3496, 0.5500,  
0.4340

 185.9650, 0.4168,  
0.3931

 4.9699, 0.5745,  
0.4255

 227.8804, 0.4102,  
0.3896

 2.2296, 0.5987,  
0.4013

275.6636, 0.4044,

 0.7361, 0.6436,

0.3864

0.3564

329.6988, 0.3992,  
0.3836

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.9503, 0.4675,  
0.4163

50.9503, 0.4675,  
0.4163

46.2601, 0.4932,  
0.4204

56.2097, 0.4406,  
0.4078

42.1054, 0.5161,  
0.4192

62.0587, 0.4142,  
0.3963

38.4505, 0.5350,  
0.4127

68.5224, 0.3891,  
0.3829

38.1111, 0.5368,  
0.4119

75.6224, 0.3662,  
0.3687

83.3790, 0.3455,  
0.3545

91.8114, 0.3273,  
0.3408

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.



50.9503, 0.4777, 0.3554



50.9503, 0.4675, 0.4163



50.9503, 0.4145, 0.4683

# Triad

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



50.9503, 0.4675, 0.4163



50.9503, 0.2002, 0.3490



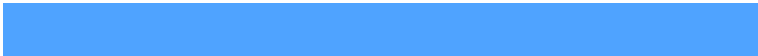
50.9503, 0.2685, 0.2135

# Complementary

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



50.9503, 0.4675, 0.4163



35.0884, 0.2034, 0.2076

# Split Complementary

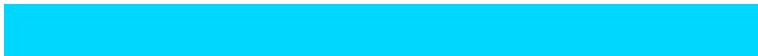
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.9503, 0.2068, 0.2030



50.9503, 0.4675, 0.4163



50.9503, 0.1717, 0.2673

# Square

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



50.9503, 0.4675, 0.4163



50.9503, 0.2600, 0.4390



50.9503, 0.1745, 0.2191



50.9503, 0.3526, 0.2466



# Rectangle

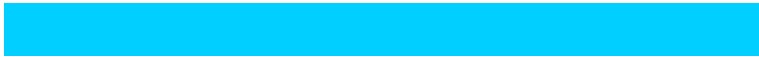
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.9503, 0.4675, 0.4163



50.9503, 0.3652, 0.4855



50.9503, 0.1745, 0.2191



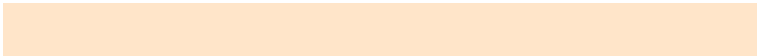
50.9503, 0.2448, 0.2073

# Sweetspot

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



50.9519, 0.4675, 0.4163



81.7797, 0.3495, 0.3573



29.5400, 0.4283, 0.2493



17.0394, 0.3550, 0.3612



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.



50.9519, 0.4675, 0.4163



44.5384, 0.5028, 0.4206



92.7930, 0.4041, 0.4849



19.5581, 0.3281, 0.3414



20.2151, 0.5344, 0.4139

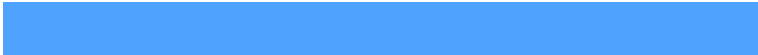


2.1872, 0.5177, 0.4271



# Inverse Universe

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



35.0884, 0.2034, 0.2076



27.8029, 0.1873, 0.1790



14.6089, 0.1801, 0.1082



18.8082, 0.2979, 0.3162



11.3048, 0.1750, 0.1499



1.3178, 0.1809, 0.1710



# Previews

## White Background



This preview shows how the Yxy color 50.9503, 0.4675, 0.4163 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 50.9503, 0.4675, 0.4163 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 50.9503, 0.4675, 0.4163**

## Background



This preview shows how black text looks on a background with the Yxy color 50.9503, 0.4675, 0.4163.



This preview shows how white text looks on a background with the Yxy color 50.9503, 0.4675, 0.4163.

# 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

50.9503, 0.4675, 0.4163

### Protanopia

51.1844, 0.4097, 0.4496

### Deuteranopia

51.0112, 0.4452, 0.4346



## Tritanopia

50.9061, 0.3884, 0.3176

# Trichromacy



**Original Color**

50.9503, 0.4675, 0.4163

**Protanomaly**

50.6603, 0.4304, 0.4373

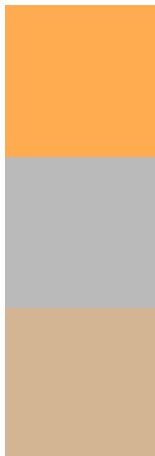
**Deuteranomaly**

51.0490, 0.4531, 0.4278

**Tritanomaly**

50.7909, 0.4209, 0.3576

# Monochromacy



**Original Color**

50.9503, 0.4675, 0.4163

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

49.0032, 0.3682, 0.3708

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.9503, 0.4675, 0.4163 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, 171, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 79)  
}
```

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, 171, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 79) }
```

## Border

The CSS property to change the border of an element to Yxy 50.9503, 0.4675, 0.4163 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, 171, 79) }
```

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

```
.border{ border-color:rgb(255, 171, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
79) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.9503, 0.4675, 0.4163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 79) }
```

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

```
.background{ background-color: rgb(255,  
171, 79) }
```

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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