

# Converting Colors

Yxy(64.1849, 0.5168, 0.3878)

Have a look what the booklet for  
Yxy(64.1849, 0.5168, 0.3878)  
contains.

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# Color

**Yxy(49.1416, 0.4699, 0.4094)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA652
RGB	255, 166, 82
RGB Percent	100%, 65%, 32%
CMY	0.0000, 0.3490, 0.6786
CMYK	0.00, 0.35, 0.68, 0.00
HSL	29°, 100%, 66%
HSV	29°, 68%, 100%
XYZ	56.4036, 49.1416, 14.4880
YIQ	183.0350, 80.0080, -7.2560

# Conversions

## Conversions Part 2

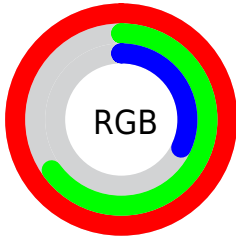
Format	Color
<a href="#">RYB</a>	<a href="#">255, 245, 82</a>
Decimal	<a href="#">16754258</a>
CIELab	<a href="#">75.54, 25.60, 55.72</a>
CIELCh	<a href="#">76, 61.323, 65.320</a>
Yxy	<a href="#">49.1416, 0.4699, 0.4094</a>
Android (android.graphics.Color)	<a href="#">4294944338 (0xFFFFA652)</a>
YUV	<a href="#">183.0350, -49.8103, 63.1133</a>
Hunter-Lab	<a href="#">70.1011, 20.9450, 36.8171</a>

# Details

The Yxy color **49.1416, 0.4699, 0.4094** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **38.1264, 0.2071, 0.2188**, and the grayscale version is **47.6161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7222, 0.3976, 0.4157**, and **23.4608, 0.5051, 0.4197** is the 20% darker color. If you saturate the color by 10%, you get **44.2939, 0.4977, 0.4133**, and if you desaturate by 10%, it is **54.6174, 0.4413, 0.4013**.

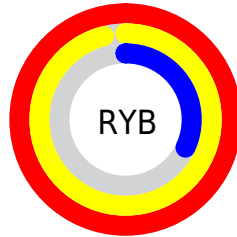
# Distribution



Red (100%)

Green (65%)

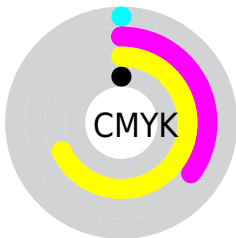
Blue (32%)



Red (100%)

Yellow (96%)

Blue (32%)

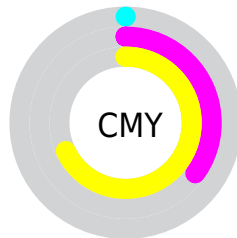


Cyan (0%)

Magenta (35%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (35%)


Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1416, 0.4699, 0.4094 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 49.1416, 0.4699, 0.4094 by changing the saturation by 10% instead.





 49.1416, 0.4699,  
0.4094


 49.1416, 0.4699,  
0.4094


383.2995, 0.3948,  
0.3771


 34.7318, 0.4864,  
0.4144

 88.9017, 0.4441,  
0.3999


 23.4564, 0.5059,  
0.4190


 115.0209, 0.4339,  
0.3956

 14.9308, 0.5288,  
0.4220


 145.8119, 0.4251,  
0.3918

 8.7709, 0.5580,  
0.4232

 181.6592, 0.4175,  
0.3883

 4.5920, 0.5867,  
0.4133

 222.9473, 0.4108,  
0.3851

 2.0099, 0.6146,  
0.3854

270.0604, 0.4048,

 0.6132, 0.6733,

0.3822

0.3267

323.3830, 0.3995,  
0.3795

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.1416, 0.4699,  
0.4094

49.1416, 0.4699,  
0.4094

44.2939, 0.4977,  
0.4133

54.6174, 0.4413,  
0.4013

40.0465, 0.5228,  
0.4119

60.7532, 0.4136,  
0.3904

36.3603, 0.5437,  
0.4050

67.5735, 0.3878,  
0.3777

35.6346, 0.5479,  
0.4032

75.1026, 0.3644,  
0.3645

■ 83.3633, 0.3436,  
0.3513

■ 92.3771, 0.3254,  
0.3385

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.



49.1416, 0.4742, 0.3487



49.1416, 0.4699, 0.4094



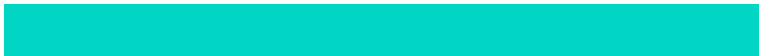
49.1416, 0.4211, 0.4628

# Triad

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



49.1416, 0.4699, 0.4094



49.1416, 0.2061, 0.3591



49.1416, 0.2608, 0.2120

# Complementary

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



49.1416, 0.4699, 0.4094



38.1264, 0.2071, 0.2188

# 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.



49.1416, 0.2026, 0.2042



49.1416, 0.4699, 0.4094



49.1416, 0.1742, 0.2753

# Square

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



49.1416, 0.4699, 0.4094



49.1416, 0.2685, 0.4460



49.1416, 0.1737, 0.2235



49.1416, 0.3427, 0.2426



# Rectangle

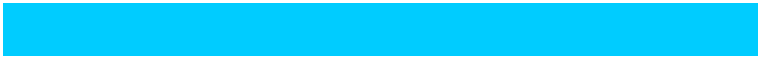
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.1416, 0.4699, 0.4094



49.1416, 0.3734, 0.4830



49.1416, 0.1737, 0.2235



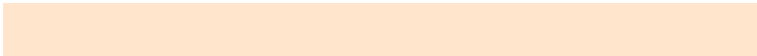
49.1416, 0.2382, 0.2067

# Sweetspot

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



49.1404, 0.4699, 0.4094



81.5297, 0.3478, 0.3541



30.2439, 0.4174, 0.2445



16.9473, 0.3536, 0.3578



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.



49.1404, 0.4699, 0.4094



42.8956, 0.5060, 0.4135



91.5625, 0.4069, 0.4801



19.4432, 0.3282, 0.3406



18.9161, 0.5453, 0.4052

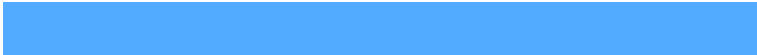


2.0595, 0.5271, 0.4196



# Inverse Universe

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



38.1264, 0.2071, 0.2188



31.1996, 0.1921, 0.1936



15.4859, 0.1814, 0.1134



18.9230, 0.2979, 0.3172



12.5778, 0.1784, 0.1622



1.4435, 0.1840, 0.1824



# Previews

## White Background



This preview shows how the Yxy color 49.1416, 0.4699, 0.4094 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 49.1416, 0.4699, 0.4094 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 49.1416, 0.4699, 0.4094**

## Background



This preview shows how black text looks on a background with the Yxy color 49.1416, 0.4699, 0.4094.



This preview shows how white text looks on a background with the Yxy color 49.1416, 0.4699, 0.4094.

# 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

49.1416, 0.4699, 0.4094

### Protanopia

49.5106, 0.4071, 0.4453

### Deuteranopia

48.9977, 0.4421, 0.4325



## Tritanopia

48.9586, 0.3951, 0.3177

# Trichromacy



**Original Color**

49.1416, 0.4699, 0.4094

**Protanomaly**

48.7594, 0.4297, 0.4317

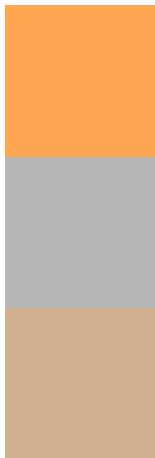
**Deuteranomaly**

48.9916, 0.4526, 0.4238

**Tritanomaly**

48.9356, 0.4255, 0.3544

# Monochromacy



**Original Color**

49.1416, 0.4699, 0.4094

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

47.0749, 0.3686, 0.3676

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.1416, 0.4699, 0.4094 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 82) }
```

## Border

The CSS property to change the border of an element to Yxy 49.1416, 0.4699, 0.4094 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, 82) }
```

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

```
.border{ border-color:rgb(255, 166, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
82) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.1416, 0.4699, 0.4094 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, 82) }
```

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

```
.background{ background-color: rgb(255,  
166, 82) }
```

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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