

# Converting Colors

Yxy(49.0028, 0.4919, 0.4354)

Have a look what the booklet for  
Yxy(49.0028, 0.4919, 0.4354)  
contains.

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# Color

**Yxy(49.0248, 0.4917, 0.4353)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA724
RGB	255, 167, 36
RGB Percent	100%, 65%, 14%
CMY	0.0000, 0.3451, 0.8584
CMYK	0.00, 0.35, 0.86, 0.00
HSL	36°, 100%, 57%
HSV	36°, 86%, 100%
XYZ	55.3767, 49.0248, 8.2215
YIQ	178.3780, 94.4990, -22.0850

# Conversions

## Conversions Part 2

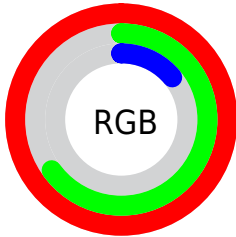
Format	Color
R <sub>Y</sub> B	183, 255, 36
Decimal	16754468
CIE Lab	75.47, 23.35, 73.17
CIE LCh	75, 76.804, 72.299
Yxy	49.0248, 0.4917, 0.4353
Android (android.graphics.Color)	4294944548 (0xFFFFA724)
YUV	178.3780, -70.1924, 67.1975
Hunter-Lab	70.0177, 18.6440, 42.0506

# Details

The Yxy color **49.0248, 0.4917, 0.4353** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **22.0356, 0.1787, 0.1514**, and the grayscale version is **45.0814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3288, 0.4201, 0.4497**, and **23.4679, 0.5123, 0.4314** is the 20% darker color. If you saturate the color by 10%, you get **45.3143, 0.5084, 0.4321**, and if you desaturate by 10%, it is **53.1487, 0.4715, 0.4331**.

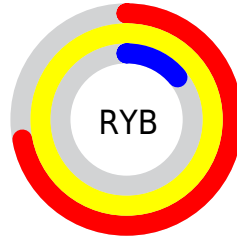
# Distribution



Red (100%)

Green (65%)

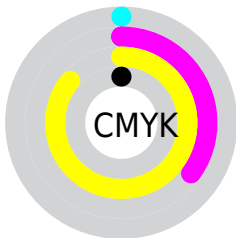
Blue (14%)



Red (72%)

Yellow (100%)

Blue (14%)

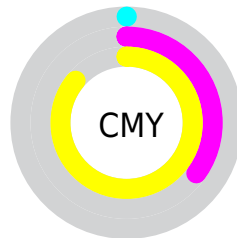


Cyan (0%)

Magenta (35%)

Yellow (86%)

Black (0%)



Cyan (0%)

Magenta (35%)


Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0248, 0.4917, 0.4353 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 49.0248, 0.4917, 0.4353 by changing the saturation by 10% instead.





 49.0248, 0.4917,  
0.4353


 49.0248, 0.4917,  
0.4353


382.8399, 0.4107,  
0.3956

 34.6392, 0.5073,  
0.4400


 88.7283, 0.4655,  
0.4247


 23.3850, 0.5245,  
0.4432


 114.8149, 0.4546,  
0.4196

 14.8781, 0.5445,  
0.4446


 145.5707, 0.4450,  
0.4148

 8.7339, 0.5620,  
0.4380

 181.3799, 0.4365,  
0.4103

 4.5680, 0.5787,  
0.4213

 222.6271, 0.4289,  
0.4061

 1.9961, 0.6049,  
0.3951

 269.6965, 0.4222,

 0.6052, 0.6616,

0.4023

0.3384

322.9727, 0.4161,  
0.3988

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 49.0248, 0.4917,  
0.4353

■ 49.0248, 0.4917,  
0.4353

■ 45.3143, 0.5084,  
0.4321

■ 53.1487, 0.4715,  
0.4331

■ 43.8757, 0.5145,  
0.4296

■ 57.7054, 0.4489,  
0.4258

■ 62.7200, 0.4253,  
0.4146

■ 68.2126, 0.4017,  
0.4007

74.2017, 0.3791,  
0.3852

80.7043, 0.3581,  
0.3691

87.7362, 0.3390,  
0.3531

95.3126, 0.3219,  
0.3376

99.9987, 0.3127,  
0.3290

# Harmonies

## Analogous

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



49.0248, 0.5168, 0.3631



49.0248, 0.4917, 0.4353



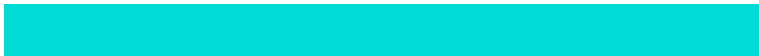
49.0248, 0.4198, 0.5016

# Triad

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



49.0248, 0.4917, 0.4353



49.0248, 0.1699, 0.3369



49.0248, 0.2689, 0.1955

# Complementary

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



49.0248, 0.4917, 0.4353



22.0356, 0.1787, 0.1514

# 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.



49.0248, 0.1926, 0.1794



49.0248, 0.4917, 0.4353



49.0248, 0.1438, 0.2413

# Square

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



49.0248, 0.4917, 0.4353



49.0248, 0.2348, 0.4573



49.0248, 0.1520, 0.1920



49.0248, 0.3743, 0.2363



# Rectangle

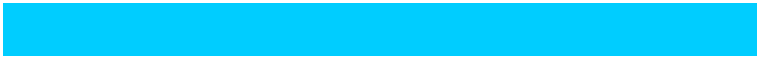
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0248, 0.4917, 0.4353



49.0248, 0.3587, 0.5249



49.0248, 0.1520, 0.1920



49.0248, 0.2395, 0.1872

# Sweetspot

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



49.0273, 0.4917, 0.4353



80.6004, 0.3585, 0.3693



24.0675, 0.4958, 0.2610



16.7576, 0.3655, 0.3749



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.



49.0273, 0.4917, 0.4353



43.8784, 0.5145, 0.4296



89.6055, 0.4035, 0.5098



19.7939, 0.3279, 0.3432



23.2278, 0.5126, 0.4312



2.4758, 0.4990, 0.4420



# Inverse Universe

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



22.0356, 0.1787, 0.1514



16.8218, 0.1676, 0.1234



9.2820, 0.1620, 0.0744



18.5762, 0.2979, 0.3144



9.0631, 0.1685, 0.1264



1.0896, 0.1747, 0.1488



# Previews

## White Background



This preview shows how the Yxy color 49.0248, 0.4917, 0.4353 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 49.0248, 0.4917, 0.4353 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 49.0248, 0.4917, 0.4353**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.0248, 0.4917, 0.4353.



This preview shows how white text looks on a background with the Yxy color 49.0248, 0.4917, 0.4353.

# 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

49.0248, 0.4917, 0.4353

### Protanopia

49.4024, 0.4327, 0.4777

### Deuteranopia

49.2002, 0.4672, 0.4577



## Tritanopia

48.9208, 0.3961, 0.3187

# Trichromacy



## Original Color

49.0248, 0.4917, 0.4353

## Protanomaly

48.9578, 0.4540, 0.4625

## Deuteranomaly

48.8687, 0.4765, 0.4493

## Tritanomaly

48.4811, 0.4415, 0.3715

# Monochromacy



## Original Color

49.0248, 0.4917, 0.4353

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.9003, 0.3846, 0.3893

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0248, 0.4917, 0.4353 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, 167, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 36)  
}
```

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, 167, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 36) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0248, 0.4917, 0.4353 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, 167, 36) }
```

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

```
.border{ border-color:rgb(255, 167, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 167, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
36) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0248, 0.4917, 0.4353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 36) }
```

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

```
.background{ background-color: rgb(255,  
167, 36) }
```

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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