

# Converting Colors

Yxy(61.7606, 0.5195, 0.4003)

Have a look what the booklet for  
Yxy(61.7606, 0.5195, 0.4003)  
contains.

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# Color

**Yxy(49.2563, 0.4804, 0.4229)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FFA73F
RGB	255, 167, 63
RGB Percent	100%, 65%, 25%
CMY	0.0000, 0.3451, 0.7529
CMYK	0.00, 0.35, 0.75, 0.00
HSL	33°, 100%, 62%
HSV	33°, 75%, 100%
XYZ	55.9535, 49.2563, 11.2629
YIQ	181.4560, 85.8320, -13.6880

# Conversions

## Conversions Part 2

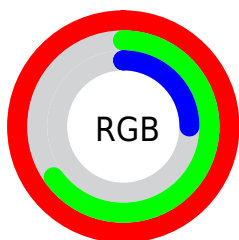
Format	Color
<a href="#">RYB</a>	<a href="#">225, 255, 63</a>
Decimal	<a href="#">16754495</a>
CIELab	<a href="#">75.61, 24.18, 64.06</a>
CIELCh	<a href="#">76, 68.475, 69.324</a>
Yxy	<a href="#">49.2563, 0.4804, 0.4229</a>
Android (android.graphics.Color)	<a href="#">4294944575</a> <a href="#">(0xFFFFA73F)</a>
YUV	<a href="#">181.4560, -58.3988, 64.4981</a>
Hunter-Lab	<a href="#">70.1828, 19.4897, 39.6132</a>

# Details

The Yxy color **49.2563, 0.4804, 0.4229** 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 **30.4078, 0.1943, 0.1896**, and the grayscale version is **46.7587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7869, 0.4082, 0.4325**, and **23.5989, 0.5132, 0.4307** is the 20% darker color. If you saturate the color by 10%, you get **44.9462, 0.5035, 0.4242**, and if you desaturate by 10%, it is **54.0902, 0.4550, 0.4166**.

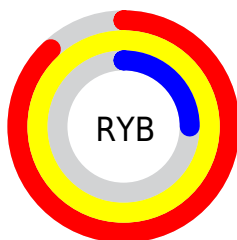
# Distribution



Red (100%)

Green (65%)

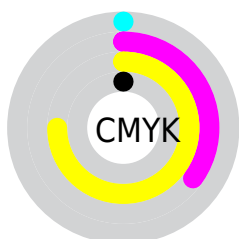
Blue (25%)



Red (88%)

Yellow (100%)

Blue (25%)

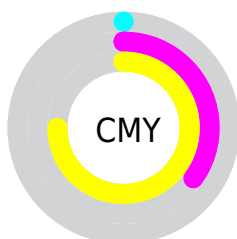


Cyan (0%)

Magenta (35%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (35%)


Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2563, 0.4804, 0.4229 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 49.2563, 0.4804, 0.4229 by changing the saturation by 10% instead.




 49.2563, 0.4804,  
0.4229

 49.2563, 0.4804,  
0.4229

383.7504, 0.4022,  
0.3862

 34.8228, 0.4966,  
0.4280


 89.0720, 0.4542,  
0.4125

 23.5264, 0.5152,  
0.4323


 115.2230, 0.4436,  
0.4077


 14.9827, 0.5361,  
0.4343


 146.0487, 0.4344,  
0.4033

 8.8072, 0.5643,  
0.4357

 181.9334, 0.4263,  
0.3992

 4.6157, 0.5814,  
0.4186

 223.2615, 0.4192,  
0.3955

 2.0236, 0.6081,  
0.3919


270.4175, 0.4129,

 0.6211, 0.6641,


0.3921

0.3359

323.7857, 0.4072,  
0.3890


 0.0000, 1.0000,  
0.0000


 0.0000, 0.0000,  
0.0000


 49.2563, 0.4804,  
0.4229

 49.2563, 0.4804,  
0.4229


 44.9462, 0.5035,  
0.4242


 54.0902, 0.4550,  
0.4166


 41.1224, 0.5230,  
0.4199

 59.4663, 0.4290,  
0.4064

 39.4730, 0.5311,  
0.4165

 65.4105, 0.4036,  
0.3936

 71.9440, 0.3797,  
0.3793

 79.0868, 0.3579,  
0.3646

 86.8576, 0.3384,  
0.3501

 95.2742, 0.3210,  
0.3361

99.9980, 0.3127,  
0.3290

# Harmonies

## Analogous

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



49.2563, 0.4949, 0.3569



49.2563, 0.4804, 0.4229



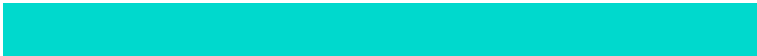
49.2563, 0.4202, 0.4816

# Triad

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



49.2563, 0.4804, 0.4229



49.2563, 0.1882, 0.3477



49.2563, 0.2656, 0.2044

# Complementary

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



49.2563, 0.4804, 0.4229



30.4078, 0.1943, 0.1896

# 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.



49.2563, 0.1985, 0.1922



49.2563, 0.4804, 0.4229



49.2563, 0.1593, 0.2582

# Square

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



49.2563, 0.4804, 0.4229



49.2563, 0.2517, 0.4504



49.2563, 0.1635, 0.2079



49.2563, 0.3586, 0.2403



# Rectangle

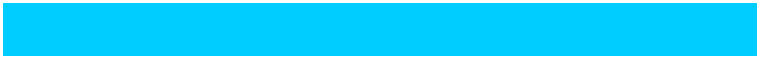
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.2563, 0.4804, 0.4229



49.2563, 0.3659, 0.5024



49.2563, 0.1635, 0.2079



49.2563, 0.2397, 0.1975

# Sweetspot

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



49.2588, 0.4804, 0.4229



80.8154, 0.3532, 0.3613



27.1016, 0.4493, 0.2499



16.7191, 0.3607, 0.3666



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.



49.2588, 0.4804, 0.4229



43.0891, 0.5133, 0.4229



91.9367, 0.4064, 0.4943



19.6175, 0.3281, 0.3419



20.9299, 0.5288, 0.4183

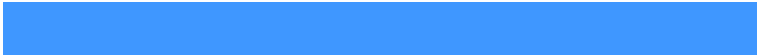


2.2565, 0.5129, 0.4310



# Inverse Universe

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



30.4078, 0.1943, 0.1896



23.5786, 0.1794, 0.1594



12.0566, 0.1715, 0.0927



18.7493, 0.2979, 0.3158



10.6941, 0.1733, 0.1437



1.2566, 0.1793, 0.1653



# Previews

## White Background



This preview shows how the Yxy color 49.2563, 0.4804, 0.4229 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 49.2563, 0.4804, 0.4229 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 49.2563, 0.4804, 0.4229**

## Background



This preview shows how black text looks on a background with the Yxy color 49.2563, 0.4804, 0.4229.



This preview shows how white text looks on a background with the Yxy color 49.2563, 0.4804, 0.4229.

# 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

49.2563, 0.4804, 0.4229

### Protanopia

49.3679, 0.4196, 0.4621

### Deuteranopia

49.2630, 0.4553, 0.4444



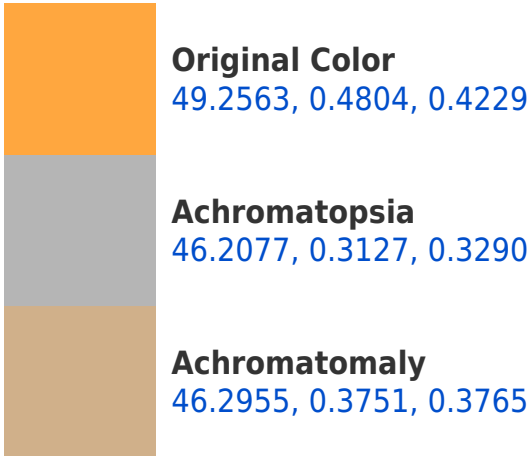
## Tritanopia

49.3039, 0.3947, 0.3187

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2563, 0.4804, 0.4229 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 63) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2563, 0.4804, 0.4229 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, 63) }
```

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

```
.border{ border-color:rgb(255, 167, 63) }
```

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, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
63) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2563, 0.4804, 0.4229 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, 63) }
```

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

```
.background{ background-color: rgb(255,  
167, 63) }
```

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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