

# Converting Colors

Yxy(56.5093, 0.4844, 0.4185)

Have a look what the booklet for  
Yxy(56.5093, 0.4844, 0.4185)  
contains.

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# Color

**Yxy(52.7403, 0.4689, 0.4276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB045
RGB	255, 176, 69
RGB Percent	100%, 69%, 27%
CMY	0.0001, 0.3097, 0.7293
CMYK	0.00, 0.31, 0.73, 0.00
HSL	35°, 100%, 64%
HSV	35°, 73%, 100%
XYZ	57.8343, 52.7403, 12.7657
YIQ	187.4230, 81.4310, -16.5290

# Conversions

## Conversions Part 2

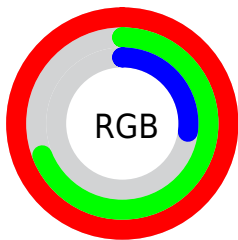
Format	Color
R <sub>Y</sub> B	206, 255, 69
Decimal	16756805
CIE Lab	77.72, 19.72, 63.70
CIE LCh	78, 66.685, 72.797
Yxy	52.7403, 0.4689, 0.4276
Android (android.graphics.Color)	4294946885 (0xFFFFB045)
YUV	187.4230, -58.3825, 59.2650
Hunter-Lab	72.6225, 15.0623, 40.4137

# Details

The Yxy color **52.7403, 0.4689, 0.4276** 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 **29.6608, 0.1950, 0.1860**, and the grayscale version is **50.2505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4033, 0.3994, 0.4359**, and **25.5078, 0.5011, 0.4395** is the 20% darker color. If you saturate the color by 10%, you get **48.4127, 0.4910, 0.4309**, and if you desaturate by 10%, it is **57.5478, 0.4448, 0.4195**.

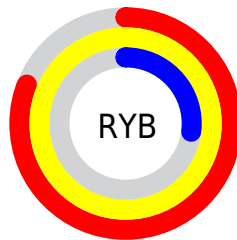
# Distribution



Red (100%)

Green (69%)

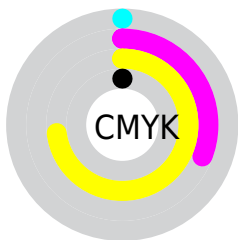
Blue (27%)



Red (81%)

Yellow (100%)

Blue (27%)

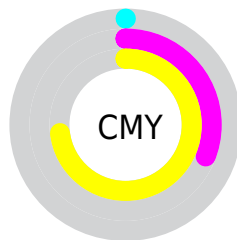


Cyan (0%)

Magenta (31%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.7403, 0.4689, 0.4276 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 52.7403, 0.4689, 0.4276 by changing the saturation by 10% instead.




 52.7403, 0.4689,  
0.4276

 52.7403, 0.4689,  
0.4276


397.2880, 0.3969,  
0.3878


 37.5955, 0.4838,  
0.4339


 94.2221, 0.4449,  
0.4158


 25.6689, 0.5008,  
0.4398


 121.3279, 0.4352,  
0.4106


 16.5761, 0.5199,  
0.4442


 153.1895, 0.4267,  
0.4058

 9.9327, 0.5461,  
0.4496

 190.1912, 0.4192,  
0.4015

 5.3544, 0.5616,  
0.4384

 232.7176, 0.4126,  
0.3976

 2.4567, 0.5820,  
0.4180

281.1529, 0.4068,

 0.8548, 0.6175,

0.3940

335.8815, 0.4016,  
0.3908

0.3825

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.7403, 0.4689,  
0.4276

52.7403, 0.4689,  
0.4276

48.4127, 0.4910,  
0.4309

57.5478, 0.4448,  
0.4195

44.5305, 0.5099,  
0.4287

62.8504, 0.4202,  
0.4079

42.0317, 0.5212,  
0.4244

68.6713, 0.3961,  
0.3939

75.0298, 0.3735,  
0.3787

81.9436, 0.3527,  
0.3631

89.4292, 0.3339,  
0.3478

97.5026, 0.3172,  
0.3331

99.9958, 0.3127,  
0.3290

# Harmonies

## Analogous

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



52.7403, 0.4879, 0.3643



52.7403, 0.4689, 0.4276



52.7403, 0.4082, 0.4802

# Triad

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



52.7403, 0.4689, 0.4276



52.7403, 0.1886, 0.3359



52.7403, 0.2773, 0.2121

# Complementary

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



52.7403, 0.4689, 0.4276



29.6608, 0.1950, 0.1860

# 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.



52.7403, 0.2091, 0.1976



52.7403, 0.4689, 0.4276



52.7403, 0.1642, 0.2544

# Square

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



52.7403, 0.4689, 0.4276



52.7403, 0.2464, 0.4339



52.7403, 0.1715, 0.2097



52.7403, 0.3675, 0.2492



# Rectangle

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



52.7403, 0.4689, 0.4276



52.7403, 0.3551, 0.4948



52.7403, 0.1715, 0.2097



52.7403, 0.2513, 0.2045

# Sweetspot

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



52.7430, 0.4689, 0.4276



82.6304, 0.3508, 0.3616



27.7047, 0.4522, 0.2565



17.2699, 0.3562, 0.3658



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.



52.7430, 0.4689, 0.4276



46.3987, 0.5010, 0.4305



90.9162, 0.4005, 0.4945



19.7227, 0.3280, 0.3427



22.2690, 0.5191, 0.4261

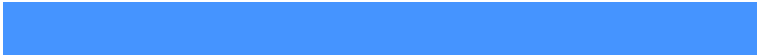


2.3849, 0.5045, 0.4376



# Inverse Universe

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



29.6608, 0.1950, 0.1860



22.3982, 0.1784, 0.1534



13.2462, 0.1778, 0.0998



18.6457, 0.2979, 0.3150



9.6889, 0.1704, 0.1332



1.1544, 0.1765, 0.1553



# Previews

## White Background



This preview shows how the Yxy color 52.7403, 0.4689, 0.4276 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 52.7403, 0.4689, 0.4276 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 52.7403, 0.4689, 0.4276**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.7403, 0.4689, 0.4276.



This preview shows how white text looks on a background with the Yxy color 52.7403, 0.4689, 0.4276.

# 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

52.7403, 0.4689, 0.4276

### Protanopia

53.0814, 0.4181, 0.4592

### Deuteranopia

52.7975, 0.4515, 0.4424



## Tritanopia

52.5199, 0.3833, 0.3176

# Trichromacy



**Original Color**

52.7403, 0.4689, 0.4276

**Protanomaly**

52.8315, 0.4370, 0.4477

**Deuteranomaly**

52.4723, 0.4578, 0.4366

**Tritanomaly**

52.2499, 0.4198, 0.3628

# Monochromacy



**Original Color**

52.7403, 0.4689, 0.4276

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

49.8776, 0.3709, 0.3767

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.7403, 0.4689, 0.4276 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, 176, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 69)  
}
```

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, 176, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 69) }
```

## Border

The CSS property to change the border of an element to Yxy 52.7403, 0.4689, 0.4276 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, 176, 69) }
```

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

```
.border{ border-color:rgb(255, 176, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
69) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.7403, 0.4689, 0.4276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 69) }
```

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

```
.background{ background-color: rgb(255,  
176, 69) }
```

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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