

# Converting Colors

Yxy(53.3129, 0.4476, 0.4032)

Have a look what the booklet for  
Yxy(53.3129, 0.4476, 0.4032)  
contains.

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# Color

**Yxy(53.2700, 0.4476, 0.4030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB066
RGB	255, 176, 102
RGB Percent	100%, 69%, 40%
CMY	0.0000, 0.3098, 0.5998
CMYK	0.00, 0.31, 0.60, 0.00
HSL	29°, 100%, 70%
HSV	29°, 60%, 100%
XYZ	59.1654, 53.2700, 19.7482
YIQ	191.1850, 70.8380, -6.2660

# Conversions

## Conversions Part 2

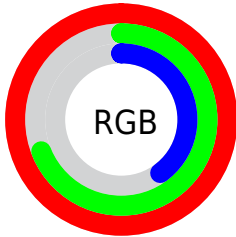
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 245, 102
Decimal	16756838
CIE Lab	78.03, 21.60, 48.92
CIE LCh	78, 53.474, 66.175
Yxy	53.2700, 0.4476, 0.4030
Android (android.graphics.Color)	4294946918 (0xFFFFB066)
YUV	191.1850, -43.9682, 55.9658
Hunter-Lab	72.9863, 16.9727, 35.0480

# Details

The Yxy color **53.2700, 0.4476, 0.4030** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **43.1158, 0.2178, 0.2343**, and the grayscale version is **52.4470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3398, 0.3800, 0.4066**, and **25.8832, 0.4792, 0.4141** is the 20% darker color. If you saturate the color by 10%, you get **47.9249, 0.4762, 0.4103**, and if you desaturate by 10%, it is **59.2772, 0.4195, 0.3926**.

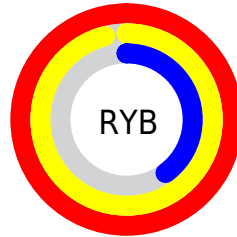
# Distribution



Red (100%)

Green (69%)

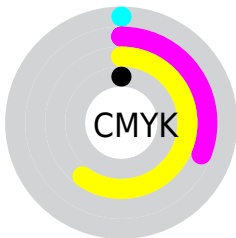
Blue (40%)



Red (100%)

Yellow (96%)

Blue (40%)

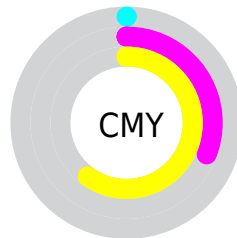


Cyan (0%)

Magenta (31%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2700, 0.4476, 0.4030 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 53.2700, 0.4476, 0.4030 by changing the saturation by 10% instead.





 53.2700, 0.4476,  
0.4030

 53.2700, 0.4476,  
0.4030


399.3201, 0.3831,  
0.3719


 38.0184, 0.4621,  
0.4086


 95.0016, 0.4252,  
0.3932

 25.9969, 0.4796,  
0.4145

 122.2502, 0.4165,  
0.3891

 16.8213, 0.5007,  
0.4202


 154.2667, 0.4090,  
0.3854

 10.1072, 0.5262,  
0.4243

 191.4354, 0.4024,  
0.3821

 5.4701, 0.5677,  
0.4323

234.1407, 0.3967,  
0.3792

 2.5256, 0.5894,  
0.4106

282.7670, 0.3916,

 0.8894, 0.6265,

0.3765

337.6987, 0.3871,  
0.3741

0.3735

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.2700, 0.4476,  
0.4030

53.2700, 0.4476,  
0.4030

47.9249, 0.4762,  
0.4103

59.2772, 0.4195,  
0.3926

43.2048, 0.5038,  
0.4131

65.9649, 0.3931,  
0.3803

39.0799, 0.5282,  
0.4104

73.3606, 0.3692,  
0.3672

35.5060, 0.5485,  
0.4027

81.4873, 0.3478,  
0.3539

■ 35.4985, 0.5485,  
0.4027

■ 90.3671, 0.3290,  
0.3411

99.9996, 0.3127,  
0.3290

# Harmonies

## Analogous

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



53.2700, 0.4508, 0.3501



53.2700, 0.4476, 0.4030



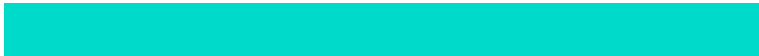
53.2700, 0.4063, 0.4462

# Triad

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



53.2700, 0.4476, 0.4030



53.2700, 0.2201, 0.3531



53.2700, 0.2705, 0.2272

# Complementary

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



53.2700, 0.4476, 0.4030



43.1158, 0.2178, 0.2343

# 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.



53.2700, 0.2183, 0.2202



53.2700, 0.4476, 0.4030



53.2700, 0.1918, 0.2829

# Square

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



53.2700, 0.4476, 0.4030



53.2700, 0.2744, 0.4246



53.2700, 0.1916, 0.2376



53.2700, 0.3411, 0.2549



# Rectangle

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



53.2700, 0.4476, 0.4030



53.2700, 0.3652, 0.4600



53.2700, 0.1916, 0.2376



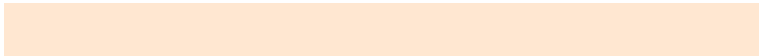
53.2700, 0.2505, 0.2224

# Sweetspot

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



53.2727, 0.4476, 0.4030



83.1844, 0.3439, 0.3514



34.1128, 0.3998, 0.2510



17.2730, 0.3497, 0.3552



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.



53.2727, 0.4476, 0.4030



46.9214, 0.4820, 0.4112



92.1232, 0.3991, 0.4678



19.4366, 0.3282, 0.3405



18.8450, 0.5459, 0.4047

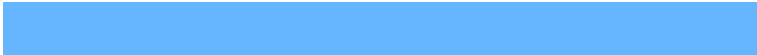


2.0524, 0.5277, 0.4192



# Inverse Universe

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



43.1158, 0.2178, 0.2343



35.9301, 0.2021, 0.2113



20.0709, 0.1961, 0.1379



18.9297, 0.2979, 0.3172



12.6545, 0.1786, 0.1629



1.4510, 0.1842, 0.1830



# Previews

## White Background



This preview shows how the Yxy color 53.2700, 0.4476, 0.4030 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 53.2700, 0.4476, 0.4030 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

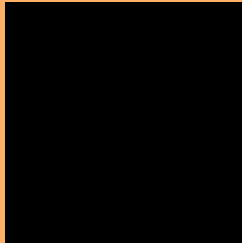
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.2700, 0.4476, 0.4030**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.2700, 0.4476, 0.4030.



This preview shows how white text looks on a background with the Yxy color 53.2700, 0.4476, 0.4030.

# 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

53.2700, 0.4476, 0.4030

### Protanopia

53.2197, 0.3945, 0.4291

### Deuteranopia

53.2056, 0.4280, 0.4188



## Tritanopia

53.3456, 0.3808, 0.3176

# Trichromacy



**Original Color**

53.2700, 0.4476, 0.4030

**Protanomaly**

53.0752, 0.4138, 0.4194

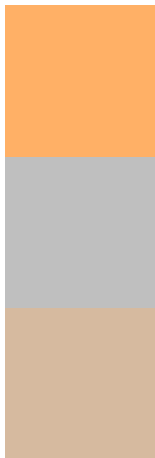
**Deuteranomaly**

53.2204, 0.4354, 0.4125

**Tritanomaly**

53.0320, 0.4073, 0.3503

# Monochromacy



**Original Color**

53.2700, 0.4476, 0.4030

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

51.9172, 0.3590, 0.3616

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.2700, 0.4476, 0.4030 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 53.2700, 0.4476, 0.4030 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, 102) }
```

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

```
.border{ border-color:rgb(255, 176, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.2700, 0.4476, 0.4030 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
176, 102) }
```

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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