

# Converting Colors

Yxy(53.4540, 0.4491, 0.4058)

Have a look what the booklet for  
Yxy(53.4540, 0.4491, 0.4058)  
contains.

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# **Color**

**Yxy(53.6051, 0.4491, 0.4066)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB163
RGB	255, 177, 99
RGB Percent	100%, 69%, 39%
CMY	0.0001, 0.3058, 0.6119
CMYK	0.00, 0.31, 0.61, 0.00
HSL	30°, 100%, 69%
HSV	30°, 61%, 100%
XYZ	59.2082, 53.6051, 19.0241
YIQ	191.4300, 71.5260, -7.7220

# Conversions

## Conversions Part 2

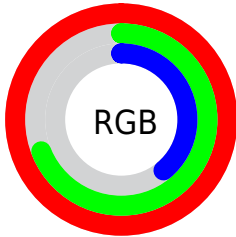
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 255, 99
Decimal	16757091
CIE <sub>Lab</sub>	78.23, 20.86, 50.66
CIE <sub>LCh</sub>	78, 54.783, 67.624
Yxy	53.6051, 0.4491, 0.4066
Android (android.graphics.Color)	4294947171 (0xFFFFB163)
YUV	191.4300, -45.5680, 55.7509
Hunter-Lab	73.2155, 16.2229, 35.8451

# Details

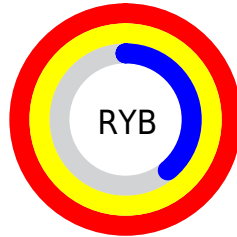
The Yxy color **53.6051, 0.4491, 0.4066** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **41.2908, 0.2153, 0.2285**, and the grayscale version is **52.6021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8048, 0.3815, 0.4104**, and **26.0980, 0.4811, 0.4186** is the 20% darker color. If you saturate the color by 10%, you get **48.3930, 0.4769, 0.4138**, and if you desaturate by 10%, it is **59.4466, 0.4215, 0.3961**.

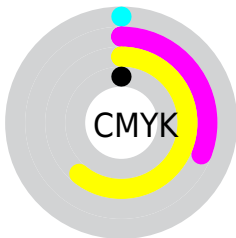
# Distribution



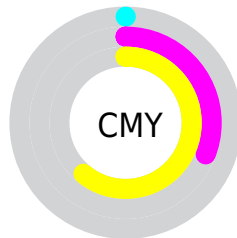
- Red (100%)
- Green (69%)
- Blue (39%)



- Red (100%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (31%)
- Yellow (61%)
- Black (0%)




- Cyan (0%)
- Magenta (31%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6051, 0.4491, 0.4066 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 53.6051, 0.4491, 0.4066 by changing the saturation by 10% instead.





 53.6051, 0.4491,  
0.4066


 53.6051, 0.4491,  
0.4066

400.6023, 0.3842,  
0.3740

 38.2860, 0.4635,  
0.4125


 95.4942, 0.4267,  
0.3964

 26.2048, 0.4809,  
0.4186


 122.8330, 0.4179,  
0.3921

 16.9769, 0.5017,  
0.4245


 154.9471, 0.4103,  
0.3882

 10.2180, 0.5265,  
0.4286

 192.2211, 0.4037,  
0.3847

 5.5437, 0.5648,  
0.4352

235.0392, 0.3979,  
0.3816

 2.5697, 0.5856,  
0.4144

283.7858, 0.3928,

 0.9115, 0.6214,

0.3788

338.8454, 0.3883,  
0.3763

0.3786

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.6051, 0.4491,  
0.4066

53.6051, 0.4491,  
0.4066

48.3930, 0.4769,  
0.4138

59.4466, 0.4215,  
0.3961

43.7743, 0.5033,  
0.4163

65.9348, 0.3954,  
0.3836

39.7203, 0.5264,  
0.4134

73.0960, 0.3715,  
0.3701

36.5784, 0.5435,  
0.4066

80.9522, 0.3501,  
0.3564

 89.5244, 0.3311,  
0.3431

 98.8324, 0.3145,  
0.3304

99.9964, 0.3127,  
0.3290

# Harmonies

## Analogous

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



53.6051, 0.4547, 0.3528



53.6051, 0.4491, 0.4066



53.6051, 0.4053, 0.4501

# Triad

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



53.6051, 0.4491, 0.4066



53.6051, 0.2161, 0.3497



53.6051, 0.2726, 0.2262

# Complementary

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



53.6051, 0.4491, 0.4066



41.2908, 0.2153, 0.2285

# 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.



53.6051, 0.2185, 0.2179



53.6051, 0.4491, 0.4066



53.6051, 0.1888, 0.2788

# Square

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



53.6051, 0.4491, 0.4066



53.6051, 0.2702, 0.4240



53.6051, 0.1901, 0.2342



53.6051, 0.3453, 0.2553



# Rectangle

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



53.6051, 0.4491, 0.4066



53.6051, 0.3628, 0.4633



53.6051, 0.1901, 0.2342



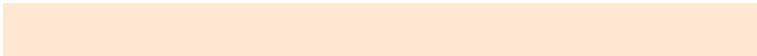
53.6051, 0.2519, 0.2210

# Sweetspot

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



53.6078, 0.4491, 0.4066



83.6161, 0.3438, 0.3521



33.3491, 0.4057, 0.2523



17.3781, 0.3495, 0.3560



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.



53.6078, 0.4491, 0.4066



47.5182, 0.4818, 0.4146



93.6645, 0.3990, 0.4716



19.4885, 0.3282, 0.3409



19.4148, 0.5410, 0.4087

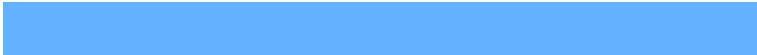


2.1088, 0.5234, 0.4226



# Inverse Universe

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



41.2908, 0.2153, 0.2285



34.2779, 0.1998, 0.2051



18.7893, 0.1931, 0.1312



18.8777, 0.2979, 0.3168



12.0615, 0.1770, 0.1573



1.3928, 0.1828, 0.1779



# Previews

## White Background



This preview shows how the Yxy color 53.6051, 0.4491, 0.4066 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 53.6051, 0.4491, 0.4066 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

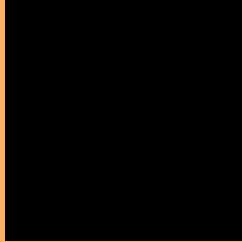
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.6051, 0.4491, 0.4066**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.6051, 0.4491, 0.4066.



This preview shows how white text looks on a background with the Yxy color 53.6051, 0.4491, 0.4066.

# 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

53.6051, 0.4491, 0.4066

### Protanopia

53.7496, 0.3969, 0.4329

### Deuteranopia

53.7381, 0.4302, 0.4221



## Tritanopia

53.7632, 0.3796, 0.3176

# Trichromacy



## Original Color

53.6051, 0.4491, 0.4066

## Protanomaly

53.4397, 0.4153, 0.4233

## Deuteranomaly

53.5708, 0.4368, 0.4161

## Tritanomaly

53.4141, 0.4069, 0.3514

# Monochromacy



## Original Color

53.6051, 0.4491, 0.4066

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

51.8826, 0.3599, 0.3628

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.6051, 0.4491, 0.4066 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, 177, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 99)  
}
```

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, 177, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 53.6051, 0.4491, 0.4066 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, 177, 99) }
```

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

```
.border{ border-color:rgb(255, 177, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 177, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.6051, 0.4491, 0.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 99) }
```

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

```
.background{ background-color: rgb(255,  
177, 99) }
```

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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