

# Converting Colors

Yxy(61.1500, 0.4802, 0.3931)

Have a look what the booklet for  
Yxy(61.1500, 0.4802, 0.3931)  
contains.

<b>Yxy(53.2115, 0.4498, 0.4056)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(53.2115, 0.4498, 0.4056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB063
RGB	255, 176, 99
RGB Percent	100%, 69%, 39%
CMY	0.0001, 0.3097, 0.6117
CMYK	0.00, 0.31, 0.61, 0.00
HSL	30°, 100%, 69%
HSV	30°, 61%, 100%
XYZ	59.0102, 53.2115, 18.9704
YIQ	190.8430, 71.8010, -7.1990

# Conversions

## Conversions Part 2

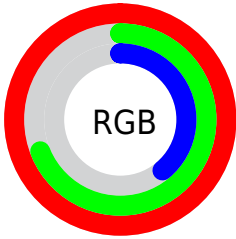
Format	Color
R <sub>Y</sub> B	255, 251, 99
Decimal	16756835
CIE Lab	78.00, 21.38, 50.36
CIE LCh	78, 54.713, 67.003
Yxy	53.2115, 0.4498, 0.4056
Android (android.graphics.Color)	4294946915 (0xFFFFB063)
YUV	190.8430, -45.2786, 56.2657
Hunter-Lab	72.9462, 16.7426, 35.6434

# Details

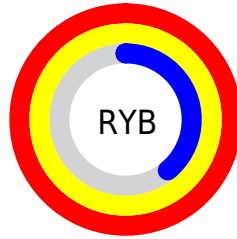
The Yxy color **53.2115, 0.4498, 0.4056** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **41.7021, 0.2156, 0.2299**, and the grayscale version is **52.2433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2402, 0.3819, 0.4095**, and **25.8487, 0.4823, 0.4174** is the 20% darker color. If you saturate the color by 10%, you get **47.9765, 0.4779, 0.4126**, and if you desaturate by 10%, it is **59.0871, 0.4220, 0.3953**.

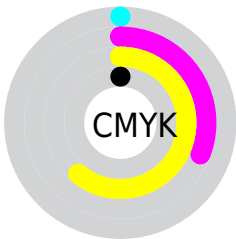
# Distribution



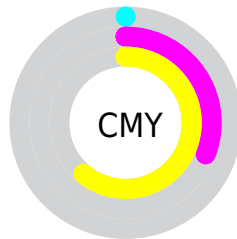
- Red (100%)
- Green (69%)
- Blue (39%)



- Red (100%)
- Yellow (98%)
- 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 53.2115, 0.4498, 0.4056 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 53.2115, 0.4498, 0.4056 by changing the saturation by 10% instead.





 53.2115, 0.4498,  
0.4056


 53.2115, 0.4498,  
0.4056

399.0960, 0.3844,  
0.3735


 37.9716, 0.4644,  
0.4113


 94.9155, 0.4272,  
0.3956


 25.9607, 0.4819,  
0.4174


 122.1485, 0.4184,  
0.3913

 16.7942, 0.5030,  
0.4230


 154.1479, 0.4107,  
0.3875

 10.0879, 0.5281,  
0.4269

 191.2982, 0.4041,  
0.3841

 5.4573, 0.5670,  
0.4330

233.9838, 0.3983,  
0.3810

 2.5180, 0.5885,  
0.4115

282.5890, 0.3931,

 0.8856, 0.6254,

0.3782

0.3746

337.4983, 0.3885,  
0.3757

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.2115, 0.4498,  
0.4056

53.2115, 0.4498,  
0.4056

47.9765, 0.4779,  
0.4126

59.0871, 0.4220,  
0.3953

43.3457, 0.5046,  
0.4150

65.6212, 0.3957,  
0.3829

39.2898, 0.5281,  
0.4120

72.8406, 0.3716,  
0.3695

36.1475, 0.5455,  
0.4051

80.7678, 0.3501,  
0.3560

 89.4242, 0.3311,  
0.3429

 98.8300, 0.3145,  
0.3304

99.9943, 0.3127,  
0.3290

# Harmonies

## Analogous

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



53.2115, 0.4545, 0.3517



53.2115, 0.4498, 0.4056



53.2115, 0.4065, 0.4496

# Triad

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



53.2115, 0.4498, 0.4056



53.2115, 0.2169, 0.3514



53.2115, 0.2712, 0.2257

# Complementary

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



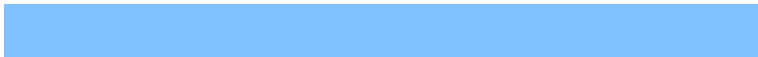
53.2115, 0.4498, 0.4056



41.7021, 0.2156, 0.2299

# 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.



53.2115, 0.2175, 0.2179



53.2115, 0.4498, 0.4056



53.2115, 0.1890, 0.2800

# Square

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



53.2115, 0.4498, 0.4056



53.2115, 0.2715, 0.4254



53.2115, 0.1896, 0.2347



53.2115, 0.3437, 0.2545



# Rectangle

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



53.2115, 0.4498, 0.4056



53.2115, 0.3642, 0.4633



53.2115, 0.1896, 0.2347



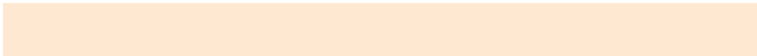
53.2115, 0.2507, 0.2206

# Sweetspot

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



53.2142, 0.4498, 0.4056



83.4481, 0.3438, 0.3518



33.4612, 0.4024, 0.2498



17.3372, 0.3496, 0.3557



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.



53.2142, 0.4498, 0.4056



47.0935, 0.4830, 0.4135



92.0095, 0.4003, 0.4698



19.4683, 0.3282, 0.3408



19.1905, 0.5429, 0.4071

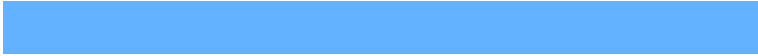


2.0866, 0.5251, 0.4213



# Inverse Universe

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



41.7021, 0.2156, 0.2299



34.7063, 0.2002, 0.2068



19.3008, 0.1937, 0.1340



18.8979, 0.2979, 0.3170



12.2892, 0.1776, 0.1595



1.4152, 0.1833, 0.1799



# Previews

## White Background



This preview shows how the Yxy color 53.2115, 0.4498, 0.4056 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 53.2115, 0.4498, 0.4056 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 53.2115, 0.4498, 0.4056**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.2115, 0.4498, 0.4056.



This preview shows how white text looks on a background with the Yxy color 53.2115, 0.4498, 0.4056.

# 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

53.2115, 0.4498, 0.4056

### Protanopia

53.3060, 0.3975, 0.4319

### Deuteranopia

53.3212, 0.4309, 0.4212



## Tritanopia

53.3456, 0.3808, 0.3176

# Trichromacy



## Original Color

53.2115, 0.4498, 0.4056

## Protanomaly

53.0139, 0.4159, 0.4223

## Deuteranomaly

53.1627, 0.4376, 0.4151

## Tritanomaly

52.9994, 0.4082, 0.3514

# Monochromacy



## Original Color

53.2115, 0.4498, 0.4056

## 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 53.2115, 0.4498, 0.4056 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 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, 176, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 53.2115, 0.4498, 0.4056 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, 99) }
```

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

```
.border{ border-color:rgb(255, 176, 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, 176, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.2115, 0.4498, 0.4056 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, 99) }
```

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

```
.background{ background-color: rgb(255,  
176, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor