

# Converting Colors

Yxy(51.2285, 0.4551, 0.4024)

Have a look what the booklet for  
Yxy(51.2285, 0.4551, 0.4024)  
contains.

<b>Yxy(51.2489, 0.4551, 0.4024)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(51.2489, 0.4551, 0.4024)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAB61
RGB	255, 171, 97
RGB Percent	100%, 67%, 38%
CMY	0.0000, 0.3294, 0.6196
CMYK	0.00, 0.33, 0.62, 0.00
HSL	28°, 100%, 69%
HSV	28°, 62%, 100%
XYZ	57.9607, 51.2489, 18.1485
YIQ	187.6800, 73.8180, -5.2060

# Conversions

## Conversions Part 2

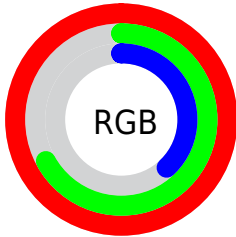
Format	Color
R <sub>Y</sub> B	255, 236, 97
Decimal	16755553
CIE Lab	76.83, 23.88, 49.98
CIE LCh	77, 55.393, 64.468
Yxy	51.2489, 0.4551, 0.4024
Android (android.graphics.Color)	4294945633 (0xFFFFAB61)
YUV	187.6800, -44.7052, 59.0396
Hunter-Lab	71.5883, 19.2409, 35.0811

# Details

The Yxy color **51.2489, 0.4551, 0.4024** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.8105, 0.2158, 0.2338**, and the grayscale version is **50.3274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4002, 0.3851, 0.4069**, and **24.6314, 0.4892, 0.4121** is the 20% darker color. If you saturate the color by 10%, you get **45.9879, 0.4844, 0.4085**, and if you desaturate by 10%, it is **57.1932, 0.4262, 0.3929**.

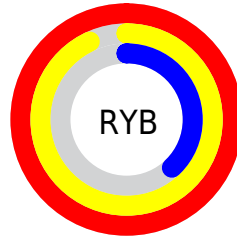
# Distribution



Red (100%)

Green (67%)

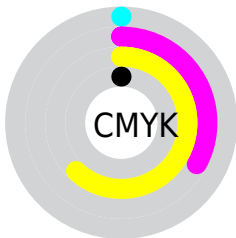
Blue (38%)



Red (100%)

Yellow (93%)

Blue (38%)

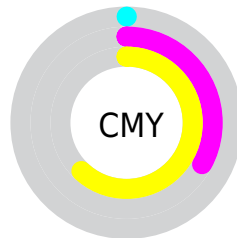


Cyan (0%)

Magenta (33%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (33%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2489, 0.4551, 0.4024 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 51.2489, 0.4551, 0.4024 by changing the saturation by 10% instead.




 51.2489, 0.4551,  
0.4024

 51.2489, 0.4551,  
0.4024


391.5300, 0.3867,  
0.3720

 36.4067, 0.4705,  
0.4076


 92.0226, 0.4314,  
0.3931

 24.7485, 0.4890,  
0.4129


 118.7229, 0.4221,  
0.3890

 15.8898, 0.5114,  
0.4176

 150.1447, 0.4141,  
0.3854

 9.4462, 0.5382,  
0.4198

 186.6724, 0.4072,  
0.3822

 5.0333, 0.5779,  
0.4221

228.6904, 0.4011,  
0.3792

 2.2668, 0.6027,  
0.3973

276.5831, 0.3957,

 0.7561, 0.6477,

0.3766

0.3523

330.7348, 0.3910,  
0.3742

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

51.2489, 0.4551,  
0.4024

51.2489, 0.4551,  
0.4024

45.9879, 0.4844,  
0.4085

57.1932, 0.4262,  
0.3929

41.3715, 0.5122,  
0.4100


63.8413, 0.3989,  
0.3812


37.3672, 0.5366,  
0.4059

71.2222, 0.3741,  
0.3686

34.5567, 0.5530,  
0.3991

79.3604, 0.3520,  
0.3557

 88.2793, 0.3326,  
0.3431

 98.0011, 0.3157,  
0.3312

99.9997, 0.3127,  
0.3290

# Harmonies

## Analogous

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



51.2489, 0.4563, 0.3471



51.2489, 0.4551, 0.4024



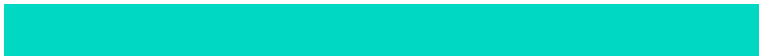
51.2489, 0.4133, 0.4492

# Triad

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



51.2489, 0.4551, 0.4024



51.2489, 0.2183, 0.3587



51.2489, 0.2646, 0.2220

# Complementary

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



51.2489, 0.4551, 0.4024



42.8105, 0.2158, 0.2338

# 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.



51.2489, 0.2119, 0.2159



51.2489, 0.4551, 0.4024



51.2489, 0.1876, 0.2839

# Square

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



51.2489, 0.4551, 0.4024



51.2489, 0.2760, 0.4334



51.2489, 0.1859, 0.2352



51.2489, 0.3378, 0.2497



# Rectangle

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



51.2489, 0.4551, 0.4024



51.2489, 0.3710, 0.4660



51.2489, 0.1859, 0.2352



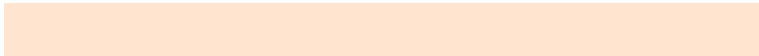
51.2489, 0.2443, 0.2174

# Sweetspot

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



51.2515, 0.4551, 0.4024



81.9159, 0.3460, 0.3519



33.1584, 0.4007, 0.2466



17.0041, 0.3518, 0.3556



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.



51.2515, 0.4551, 0.4024



44.9935, 0.4903, 0.4093



90.3279, 0.4026, 0.4693



19.3898, 0.3283, 0.3402



18.3497, 0.5503, 0.4012



2.0030, 0.5316, 0.4161



# Inverse Universe

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



42.8105, 0.2158, 0.2338



35.8868, 0.2008, 0.2115



19.3192, 0.1928, 0.1342



18.9768, 0.2979, 0.3176



13.2115, 0.1800, 0.1681



1.5052, 0.1855, 0.1877



# Previews

## White Background



This preview shows how the Yxy color 51.2489, 0.4551, 0.4024 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

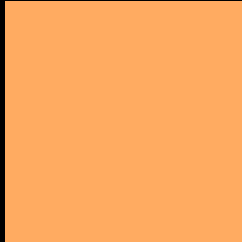
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.2489, 0.4551, 0.4024 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

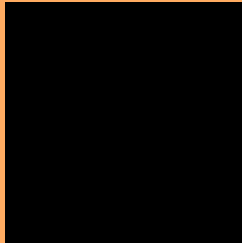
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.2489, 0.4551, 0.4024**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.2489, 0.4551, 0.4024.



This preview shows how white text looks on a background with the Yxy color 51.2489, 0.4551, 0.4024.

# 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

51.2489, 0.4551, 0.4024

### Protanopia

51.3615, 0.3970, 0.4324

### Deuteranopia

51.3664, 0.4310, 0.4215



## Tritanopia

51.3049, 0.3871, 0.3176

# Trichromacy



**Original Color**

51.2489, 0.4551, 0.4024

**Protanomaly**

50.9753, 0.4182, 0.4209

**Deuteranomaly**

51.1661, 0.4402, 0.4137

**Tritanomaly**

51.0040, 0.4143, 0.3503

# Monochromacy



**Original Color**

51.2489, 0.4551, 0.4024

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

49.8195, 0.3618, 0.3620

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.2489, 0.4551, 0.4024 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, 171, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 97)  
}
```

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, 171, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 51.2489, 0.4551, 0.4024 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, 171, 97) }
```

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

```
.border{ border-color:rgb(255, 171, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.2489, 0.4551, 0.4024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 97) }
```

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

```
.background{ background-color: rgb(255,  
171, 97) }
```

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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