

# Converting Colors

Yxy(52.6038, 0.4522, 0.4057)

Have a look what the booklet for  
Yxy(52.6038, 0.4522, 0.4057)  
contains.

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# Color

**Yxy(52.7830, 0.4521, 0.4063)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAF61
RGB	255, 175, 97
RGB Percent	100%, 69%, 38%
CMY	0.0000, 0.3137, 0.6197
CMYK	0.00, 0.31, 0.62, 0.00
HSL	30°, 100%, 69%
HSV	30°, 62%, 100%
XYZ	58.7329, 52.7830, 18.3955
YIQ	190.0280, 72.7180, -7.2980

# Conversions

## Conversions Part 2

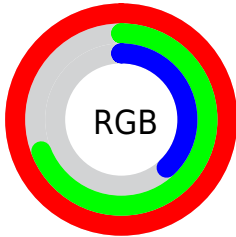
Format	Color
R <sub>Y</sub> B	255, 251, 97
Decimal	16756577
CIE Lab	77.75, 21.80, 51.07
CIE LCh	78, 55.525, 66.887
Yxy	52.7830, 0.4521, 0.4063
Android (android.graphics.Color)	4294946657 (0xFFFFAF61)
YUV	190.0280, -45.8628, 56.9804
Hunter-Lab	72.6519, 17.1614, 35.8441

# Details

The Yxy color **52.7830, 0.4521, 0.4063** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **41.1961, 0.2145, 0.2283**, and the grayscale version is **51.7439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6138, 0.3835, 0.4105**, and **25.5857, 0.4850, 0.4178** is the 20% darker color. If you saturate the color by 10%, you get **47.5924, 0.4801, 0.4130**, and if you desaturate by 10%, it is **58.6037, 0.4242, 0.3962**.

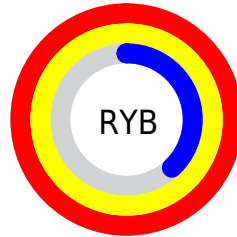
# Distribution



Red (100%)

Green (69%)

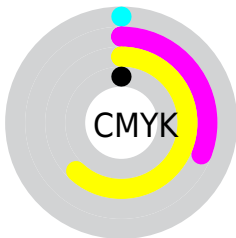
Blue (38%)



Red (100%)

Yellow (98%)

Blue (38%)

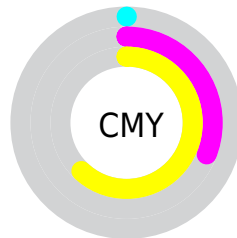


Cyan (0%)

Magenta (31%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.7830, 0.4521, 0.4063 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 52.7830, 0.4521, 0.4063 by changing the saturation by 10% instead.





 52.7830, 0.4521,  
0.4063

 52.7830, 0.4521,  
0.4063


397.4520, 0.3857,  
0.3740

 37.6296, 0.4669,  
0.4120


 94.2850, 0.4292,  
0.3963


 25.6953, 0.4846,  
0.4179


 121.4023, 0.4202,  
0.3920

 16.5958, 0.5059,  
0.4233


 153.2764, 0.4124,  
0.3882

 9.9468, 0.5312,  
0.4268

 190.2916, 0.4056,  
0.3847

 5.3637, 0.5689,  
0.4311

232.8324, 0.3997,  
0.3816

 2.4622, 0.5910,  
0.4090

281.2832, 0.3945,

 0.8576, 0.6292,

0.3788

0.3708

336.0282, 0.3898,  
0.3763

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.7830, 0.4521,  
0.4063

52.7830, 0.4521,  
0.4063

47.5924, 0.4801,  
0.4130

58.6037, 0.4242,  
0.3962

43.0081, 0.5067,  
0.4150


65.0853, 0.3977,  
0.3839


38.9959, 0.5298,  
0.4115

72.2506, 0.3735,  
0.3706

36.1563, 0.5455,  
0.4051

80.1221, 0.3517,  
0.3571

 88.7213, 0.3325,  
0.3439

 98.0686, 0.3158,  
0.3314

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



52.7830, 0.4569, 0.3516



52.7830, 0.4521, 0.4063



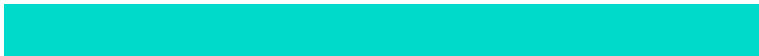
52.7830, 0.4081, 0.4513

# Triad

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



52.7830, 0.4521, 0.4063



52.7830, 0.2155, 0.3520



52.7830, 0.2702, 0.2242

# Complementary

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



52.7830, 0.4521, 0.4063



41.1961, 0.2145, 0.2283

# 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.



52.7830, 0.2159, 0.2163



52.7830, 0.4521, 0.4063



52.7830, 0.1872, 0.2792

# Square

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



52.7830, 0.4521, 0.4063



52.7830, 0.2710, 0.4276



52.7830, 0.1878, 0.2333



52.7830, 0.3439, 0.2532



# Rectangle

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



52.7830, 0.4521, 0.4063



52.7830, 0.3651, 0.4657



52.7830, 0.1878, 0.2333



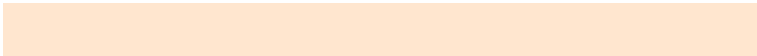
52.7830, 0.2494, 0.2190

# Sweetspot

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



52.7814, 0.4521, 0.4063



82.5992, 0.3458, 0.3531



33.0444, 0.4041, 0.2491



17.1688, 0.3515, 0.3570



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.



52.7814, 0.4521, 0.4063



46.6139, 0.4857, 0.4138



91.9737, 0.4012, 0.4711



19.4683, 0.3282, 0.3408



19.1901, 0.5429, 0.4071

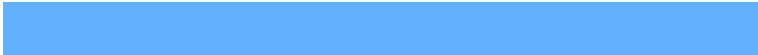


2.0866, 0.5251, 0.4213



# Inverse Universe

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



41.1961, 0.2145, 0.2283



34.1707, 0.1991, 0.2048



18.7998, 0.1922, 0.1314



18.8979, 0.2979, 0.3170



12.2896, 0.1776, 0.1595



1.4152, 0.1833, 0.1799



# Previews

## White Background



This preview shows how the Yxy color 52.7830, 0.4521, 0.4063 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 52.7830, 0.4521, 0.4063 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

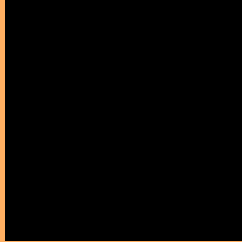
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.7830, 0.4521, 0.4063**

## Background



This preview shows how black text looks on a background with the Yxy color 52.7830, 0.4521, 0.4063.



This preview shows how white text looks on a background with the Yxy color 52.7830, 0.4521, 0.4063.

# 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

52.7830, 0.4521, 0.4063

### Protanopia

53.1162, 0.3979, 0.4343

### Deuteranopia

52.6977, 0.4322, 0.4223



## Tritanopia

52.9312, 0.3821, 0.3176

# Trichromacy



**Original Color**

52.7830, 0.4521, 0.4063

**Protanomaly**

52.5514, 0.4180, 0.4232

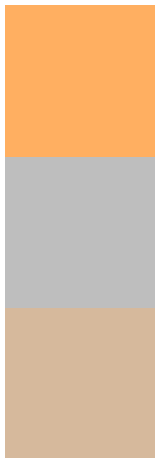
**Deuteranomaly**

52.7201, 0.4397, 0.4159

**Tritanomaly**

52.5878, 0.4096, 0.3514

# Monochromacy



**Original Color**

52.7830, 0.4521, 0.4063

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

51.3944, 0.3619, 0.3641

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.7830, 0.4521, 0.4063 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, 175, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 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, 175, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 52.7830, 0.4521, 0.4063 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, 175, 97) }
```

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

```
.border{ border-color:rgb(255, 175, 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, 175, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.7830, 0.4521, 0.4063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 97) }
```

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

```
.background{ background-color: rgb(255,  
175, 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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