

# Converting Colors

Yxy(51.6103, 0.4508, 0.3988)

Have a look what the booklet for  
Yxy(51.6103, 0.4508, 0.3988)  
contains.

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# **Color**

**Yxy(51.7244, 0.4506, 0.3991)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | FFAC66                     |
| RGB           | 255, 172, 102              |
| RGB Percent   | 100%, 67%, 40%             |
| CMY           | 0.0000, 0.3255, 0.5999     |
| CMYK          | 0.00, 0.33, 0.60, 0.00     |
| HSL           | 27°, 100%, 70%             |
| HSV           | 27°, 60%, 100%             |
| XYZ           | 58.3989, 51.7244, 19.4793  |
| YIQ           | 188.8370, 71.9380, -4.1740 |

# Conversions

## Conversions Part 2

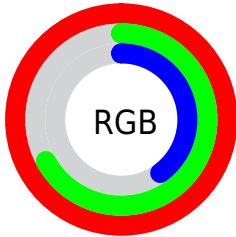
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 255, 231, 102                  |
| Decimal                             | 16755814                       |
| CIE <sub>Lab</sub>                  | 77.12, 23.71, 47.85            |
| CIE <sub>LCh</sub>                  | 77, 53.401, 63.644             |
| Yxy                                 | 51.7244, 0.4506,<br>0.3991     |
| Android<br>(android.graphics.Color) | 4294945894<br>(0xFFFFAC66)     |
| YUV                                 | 188.8370, -42.8106,<br>58.0250 |
| Hunter-Lab                          | 71.9197, 19.0830,<br>34.2852   |

# Details

The Yxy color **51.7244, 0.4506, 0.3991** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.7524, 0.2190, 0.2397**, and the grayscale version is **51.0068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1134, 0.3815, 0.4029**, and **24.9109, 0.4840, 0.4092** is the 20% darker color. If you saturate the color by 10%, you get **46.2962, 0.4805, 0.4058**, and if you desaturate by 10%, it is **57.8513, 0.4215, 0.3893**.

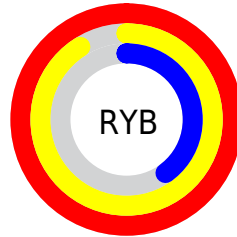
# Distribution



Red (100%)

Green (67%)

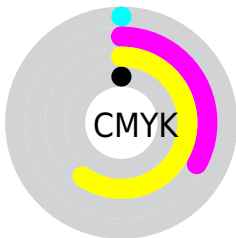
Blue (40%)



Red (100%)

Yellow (91%)

Blue (40%)

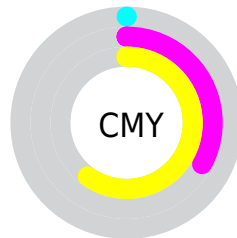


Cyan (0%)

Magenta (33%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7244, 0.4506, 0.3991 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 51.7244, 0.4506, 0.3991 by changing the saturation by 10% instead.



 51.7244, 0.4506,  
0.3991

 51.7244, 0.4506,  
0.3991


393.3717, 0.3842,  
0.3699


 36.7854, 0.4657,  
0.4043


 92.7247, 0.4275,  
0.3900


 25.0414, 0.4839,  
0.4096

 119.5548, 0.4184,  
0.3862

 16.1079, 0.5062,  
0.4145


 151.1174, 0.4107,  
0.3827

 9.6005, 0.5331,  
0.4174

 187.7969, 0.4040,  
0.3796

 5.1349, 0.5767,  
0.4233

229.9776, 0.3981,  
0.3768

 2.3266, 0.6011,  
0.3989

278.0441, 0.3929,

 0.7878, 0.6443,

0.3742

0.3557

332.3807, 0.3883,  
0.3719

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

51.7244, 0.4506,  
0.3991

51.7244, 0.4506,  
0.3991

46.2962, 0.4805,  
0.4058

57.8513, 0.4215,  
0.3893

41.5430, 0.5093,  
0.4080

64.7135, 0.3943,  
0.3777

37.4270, 0.5350,  
0.4048

72.3355, 0.3698,  
0.3652

33.9010, 0.5563,  
0.3965

80.7424, 0.3481,  
0.3526

■ 33.8992, 0.5563,  
0.3965

■ 89.9582, 0.3291,  
0.3405

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.



51.7244, 0.4502, 0.3456



51.7244, 0.4506, 0.3991



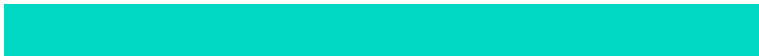
51.7244, 0.4116, 0.4442

# Triad

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



51.7244, 0.4506, 0.3991



51.7244, 0.2230, 0.3598



51.7244, 0.2648, 0.2250

# Complementary

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



51.7244, 0.4506, 0.3991



44.7524, 0.2190, 0.2397

# 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.



51.7244, 0.2143, 0.2199



51.7244, 0.4506, 0.3991



51.7244, 0.1922, 0.2876

# Square

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



51.7244, 0.4506, 0.3991



51.7244, 0.2795, 0.4304



51.7244, 0.1897, 0.2396



51.7244, 0.3349, 0.2514



# Rectangle

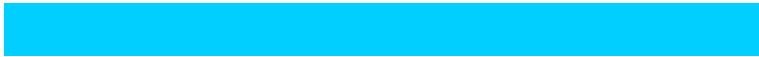
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.7244, 0.4506, 0.3991



51.7244, 0.3712, 0.4603



51.7244, 0.1897, 0.2396



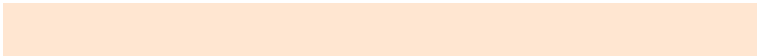
51.7244, 0.2453, 0.2208

# Sweetspot

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



51.7218, 0.4506, 0.3991



82.5152, 0.3441, 0.3502



34.3173, 0.3935, 0.2461



17.1104, 0.3500, 0.3538



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.



51.7218, 0.4506, 0.3991



45.2901, 0.4864, 0.4066



88.9558, 0.4018, 0.4642



19.3560, 0.3283, 0.3399



18.0034, 0.5535, 0.3987

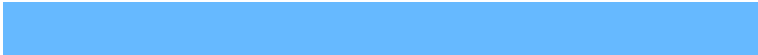


1.9682, 0.5344, 0.4139



# Inverse Universe

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



44.7524, 0.2190, 0.2397



37.7074, 0.2037, 0.2180



21.1249, 0.1973, 0.1434



19.0109, 0.2979, 0.3179



13.6267, 0.1811, 0.1719



1.5454, 0.1864, 0.1911



# Previews

## White Background



This preview shows how the Yxy color 51.7244, 0.4506, 0.3991 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

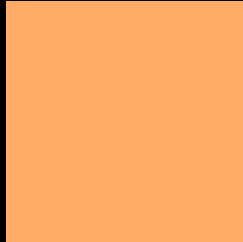
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.7244, 0.4506, 0.3991 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 51.7244, 0.4506, 0.3991**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.7244, 0.4506, 0.3991.



This preview shows how white text looks on a background with the Yxy color 51.7244, 0.4506, 0.3991.

# 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

51.7244, 0.4506, 0.3991

### Protanopia

51.9210, 0.3922, 0.4270

### Deuteranopia

51.8684, 0.4267, 0.4179



## Tritanopia

51.7068, 0.3859, 0.3176

# Trichromacy



**Original Color**

51.7244, 0.4506, 0.3991

**Protanomaly**

51.4903, 0.4139, 0.4170

**Deuteranomaly**

51.6576, 0.4358, 0.4102

**Tritanomaly**

51.4673, 0.4110, 0.3482

# Monochromacy



**Original Color**

51.7244, 0.4506, 0.3991

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

50.4474, 0.3607, 0.3606

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.7244, 0.4506, 0.3991 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, 172, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 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, 172, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 51.7244, 0.4506, 0.3991 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, 172, 102) }
```

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

```
.border{ border-color:rgb(255, 172, 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, 172, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.7244, 0.4506, 0.3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 172, 102) }
```

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

```
.background{ background-color: rgb(255,  
172, 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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