

# Converting Colors

Yxy(50.9571, 0.4539, 0.3994)

Have a look what the booklet for  
Yxy(50.9571, 0.4539, 0.3994)  
contains.

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# **Color**

**Yxy(50.9296, 0.4536, 0.3989)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAA64
RGB	255, 170, 100
RGB Percent	100%, 67%, 39%
CMY	0.0000, 0.3333, 0.6079
CMYK	0.00, 0.33, 0.61, 0.00
HSL	27°, 100%, 70%
HSV	27°, 61%, 100%
XYZ	57.9134, 50.9296, 18.8321
YIQ	187.4350, 73.1300, -3.7500

# Conversions

## Conversions Part 2

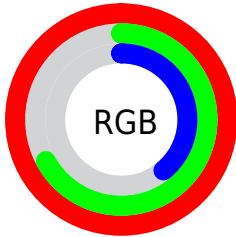
Format	Color
R <sub>Y</sub> B	255, 228, 100
Decimal	16755300
CIE Lab	76.64, 24.59, 48.29
CIE LCh	77, 54.188, 63.010
Yxy	50.9296, 0.4536, 0.3989
Android (android.graphics.Color)	4294945380 (0xFFFFAA64)
YUV	187.4350, -43.1055, 59.2545
Hunter-Lab	71.3650, 19.9659, 34.3098

# Details

The Yxy color **50.9296, 0.4536, 0.3989** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.6170, 0.2181, 0.2394**, and the grayscale version is **50.1713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9526, 0.3836, 0.4030**, and **24.4222, 0.4880, 0.4084** is the 20% darker color. If you saturate the color by 10%, you get **45.5468, 0.4838, 0.4051**, and if you desaturate by 10%, it is **57.0295, 0.4241, 0.3894**.

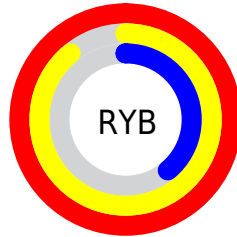
# Distribution



Red (100%)

Green (67%)

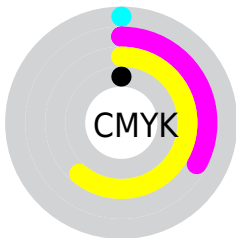
Blue (39%)



Red (100%)

Yellow (89%)

Blue (39%)

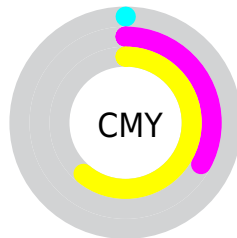


Cyan (0%)

Magenta (33%)

Yellow (61%)

Black (0%)



Cyan (0%)

Magenta (33%)


Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9296, 0.4536, 0.3989 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 50.9296, 0.4536, 0.3989 by changing the saturation by 10% instead.





 50.9296, 0.4536,  
0.3989


 50.9296, 0.4536,  
0.3989


390.2902, 0.3856,  
0.3699


 36.1526, 0.4690,  
0.4039


 91.5507, 0.4299,  
0.3900


 24.5521, 0.4877,  
0.4090


 118.1636, 0.4207,  
0.3862

 15.7436, 0.5105,  
0.4135


 149.4905, 0.4127,  
0.3827

 9.3429, 0.5380,  
0.4157

 185.9159, 0.4059,  
0.3796

 4.9655, 0.5808,  
0.4192

227.8242, 0.3998,  
0.3768

 2.2271, 0.6065,  
0.3935

275.5998, 0.3945,

 0.7347, 0.6536,

0.3743

329.6270, 0.3898,  
0.3720

0.3464

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.9296, 0.4536,  
0.3989

50.9296, 0.4536,  
0.3989

45.5468, 0.4838,  
0.4051

57.0295, 0.4241,  
0.3894

40.8411, 0.5127,  
0.4068

63.8684, 0.3966,  
0.3780

36.7788, 0.5384,  
0.4031

71.4764, 0.3718,  
0.3657

33.5630, 0.5580,  
0.3952

79.8794, 0.3498,  
0.3533

89.1020, 0.3306,  
0.3413

99.1674, 0.3139,  
0.3299

99.9991, 0.3127,  
0.3290

# Harmonies

## Analogous

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



50.9296, 0.4524, 0.3445



50.9296, 0.4536, 0.3989



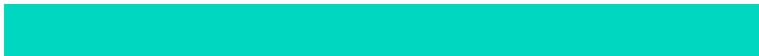
50.9296, 0.4144, 0.4454

# Triad

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



50.9296, 0.4536, 0.3989



50.9296, 0.2223, 0.3620



50.9296, 0.2625, 0.2230

# Complementary

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



50.9296, 0.4536, 0.3989



44.6170, 0.2181, 0.2394

# Split Complementary

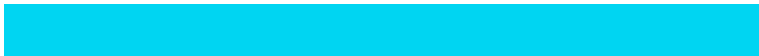
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.9296, 0.2118, 0.2182



50.9296, 0.4536, 0.3989



50.9296, 0.1905, 0.2880

# Square

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



50.9296, 0.4536, 0.3989



50.9296, 0.2801, 0.4338



50.9296, 0.1874, 0.2386



50.9296, 0.3337, 0.2493



# Rectangle

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



50.9296, 0.4536, 0.3989



50.9296, 0.3734, 0.4627



50.9296, 0.1874, 0.2386



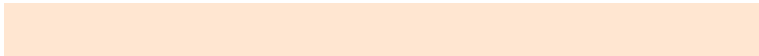
50.9296, 0.2428, 0.2188

# Sweetspot

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



50.9322, 0.4536, 0.3989



82.3696, 0.3441, 0.3499



33.8850, 0.3950, 0.2453



17.0750, 0.3500, 0.3535



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.



50.9322, 0.4536, 0.3989



44.4498, 0.4903, 0.4059



88.8504, 0.4027, 0.4655



19.3384, 0.3283, 0.3398



17.8270, 0.5552, 0.3974



1.9504, 0.5359, 0.4127



# Inverse Universe

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



44.6170, 0.2181, 0.2394



37.5725, 0.2030, 0.2177



20.5994, 0.1957, 0.1408



19.0287, 0.2979, 0.3180



13.8470, 0.1816, 0.1738



1.5666, 0.1869, 0.1929



# Previews

## White Background



This preview shows how the Yxy color 50.9296, 0.4536, 0.3989 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

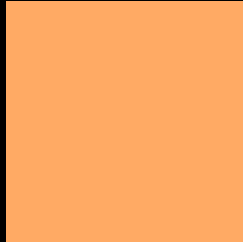
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.9296, 0.4536, 0.3989 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 50.9296, 0.4536, 0.3989**

## Background



This preview shows how black text looks on a background with the Yxy color 50.9296, 0.4536, 0.3989.



This preview shows how white text looks on a background with the Yxy color 50.9296, 0.4536, 0.3989.

# 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

50.9296, 0.4536, 0.3989

### Protanopia

51.2983, 0.3933, 0.4285

### Deuteranopia

51.2532, 0.4280, 0.4192



## Tritanopia

50.9061, 0.3884, 0.3176

# Trichromacy



**Original Color**

50.9296, 0.4536, 0.3989

**Protanomaly**

50.8740, 0.4151, 0.4183

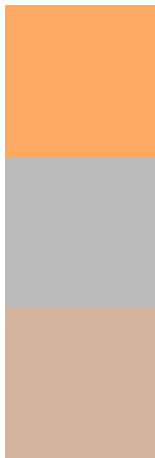
**Deuteranomaly**

51.0459, 0.4372, 0.4113

**Tritanomaly**

50.6706, 0.4138, 0.3482

# Monochromacy



**Original Color**

50.9296, 0.4536, 0.3989

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

49.4114, 0.3621, 0.3608

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.9296, 0.4536, 0.3989 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, 170, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 100)  
}
```

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, 170, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 50.9296, 0.4536, 0.3989 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, 170, 100) }
```

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

```
.border{ border-color:rgb(255, 170, 100) }
```

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

Here you see how a box with a 4 pixel rgb(255, 170, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.9296, 0.4536, 0.3989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 100) }
```

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

```
.background{ background-color: rgb(255,  
170, 100) }
```

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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