

# Converting Colors

$Yxy(51.9901, 0.4395, 0.3612)$

Have a look what the booklet for  
Yxy(51.9901, 0.4395, 0.3612)  
contains.

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# Color

**Yxy(49.8362, 0.4295, 0.3637)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA584
RGB	255, 165, 132
RGB Percent	100%, 65%, 52%
CMY	0.0001, 0.3529, 0.4825
CMYK	0.00, 0.35, 0.48, 0.00
HSL	16°, 100%, 76%
HSV	16°, 48%, 100%
XYZ	58.8525, 49.8362, 28.3369
YIQ	188.1480, 64.2330, 8.8170

# Conversions

## Conversions Part 2

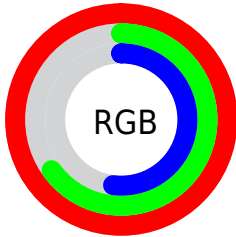
Format	Color
R <sub>Y</sub> B	255, 177, 132
Decimal	16754052
CIE Lab	75.97, 29.75, 30.88
CIE LCh	76, 42.876, 46.064
Yxy	49.8362, 0.4295, 0.3637
Android (android.graphics.Color)	4294944132 (0xFFFFA584)
YUV	188.1480, -27.6810, 58.6292
Hunter-Lab	70.5948, 25.2686, 25.6172

# Details

The Yxy color **49.8362, 0.4295, 0.3637** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **64.3273, 0.2415, 0.2895**, and the grayscale version is **50.5115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4757, 0.3629, 0.3659**, and **23.7996, 0.4615, 0.3683** is the 20% darker color. If you saturate the color by 10%, you get **42.9794, 0.4657, 0.3693**, and if you desaturate by 10%, it is **57.8494, 0.3973, 0.3567**.

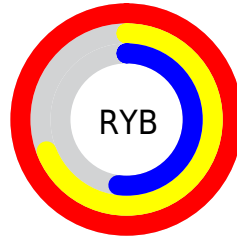
# Distribution



Red (100%)

Green (65%)

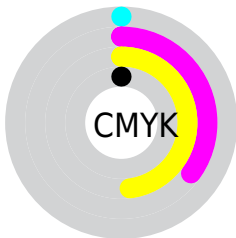
Blue (52%)



Red (100%)

Yellow (69%)

Blue (52%)

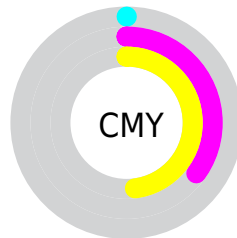


Cyan (0%)

Magenta (35%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (35%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8362, 0.4295, 0.3637 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 49.8362, 0.4295, 0.3637 by changing the saturation by 10% instead.




 49.8362, 0.4295,  
0.3637


 49.8362, 0.4295,  
0.3637

386.0250, 0.3715,  
0.3496

 35.2833, 0.4435,  
0.3662


 89.9321, 0.4087,  
0.3594

 23.8812, 0.4612,  
0.3687


 116.2439, 0.4008,  
0.3575

 15.2455, 0.4839,  
0.3709


 147.2441, 0.3941,  
0.3558

 8.9919, 0.5140,  
0.3720

183.3171, 0.3883,  
0.3543

 4.7359, 0.5546,  
0.3696

224.8473, 0.3833,  
0.3529

 2.0931, 0.6308,  
0.3692

272.2191, 0.3789,

 0.6608, 0.6892,

0.3517

0.3108

325.8169, 0.3750,  
0.3506

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.8362, 0.4295,  
0.3637

49.8362, 0.4295,  
0.3637

42.9794, 0.4657,  
0.3693

57.8494, 0.3973,  
0.3567

37.2165, 0.5044,  
0.3725

67.0625, 0.3696,  
0.3492

32.4903, 0.5428,  
0.3720

77.5259, 0.3461,  
0.3418

28.7348, 0.5768,  
0.3670

89.2848, 0.3265,  
0.3346

■ 25.8725, 0.6028,  
0.3581

99.9958, 0.3127,  
0.3290

■ 25.4514, 0.6068,  
0.3564

# Harmonies

## Analogous

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



49.8362, 0.4071, 0.3184



49.8362, 0.4295, 0.3637



49.8362, 0.4168, 0.4059

# Triad

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



49.8362, 0.4295, 0.3637



49.8362, 0.2650, 0.3889



49.8362, 0.2463, 0.2372

# Complementary

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



49.8362, 0.4295, 0.3637



64.3273, 0.2415, 0.2895

# Split Complementary

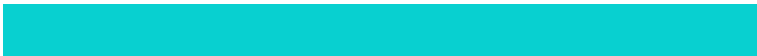
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



49.8362, 0.2158, 0.2458



49.8362, 0.4295, 0.3637



49.8362, 0.2253, 0.3294

# Square

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



49.8362, 0.4295, 0.3637



49.8362, 0.3200, 0.4294



49.8362, 0.2084, 0.2771



49.8362, 0.2965, 0.2491



# Rectangle

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



49.8362, 0.4295, 0.3637



49.8362, 0.3918, 0.4267



49.8362, 0.2084, 0.2771



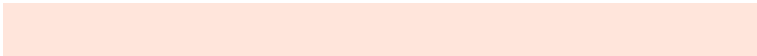
49.8362, 0.2337, 0.2376

# Sweetspot

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



49.8387, 0.4295, 0.3637



82.3689, 0.3374, 0.3387



43.0343, 0.3484, 0.2391



17.0984, 0.3417, 0.3402



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.



49.8387, 0.4295, 0.3637



43.1402, 0.4648, 0.3692



77.4644, 0.3969, 0.4231



18.7808, 0.3288, 0.3355



13.5101, 0.6039, 0.3587



1.4865, 0.5820, 0.3761



# Inverse Universe

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



64.3273, 0.2415, 0.2895



59.0872, 0.2298, 0.2800



37.4978, 0.2268, 0.2113



19.6073, 0.2980, 0.3225



22.4898, 0.1998, 0.2391



2.3703, 0.2029, 0.2506



# Previews

## White Background



This preview shows how the Yxy color 49.8362, 0.4295, 0.3637 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 49.8362, 0.4295, 0.3637 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 49.8362, 0.4295, 0.3637**

## Background



This preview shows how black text looks on a background with the Yxy color 49.8362, 0.4295, 0.3637.



This preview shows how white text looks on a background with the Yxy color 49.8362, 0.4295, 0.3637.

# 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

49.8362, 0.4295, 0.3637

### Protanopia

49.9111, 0.3612, 0.3857

### Deuteranopia

50.0748, 0.3960, 0.3886



## Tritanopia

49.7283, 0.3924, 0.3177

# Trichromacy



**Original Color**

49.8362, 0.4295, 0.3637

**Protanomaly**

49.4473, 0.3860, 0.3777

**Deuteranomaly**

49.9338, 0.4078, 0.3798

**Tritanomaly**

49.5350, 0.4069, 0.3345

# Monochromacy



**Original Color**

49.8362, 0.4295, 0.3637

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

49.4667, 0.3511, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8362, 0.4295, 0.3637 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, 165, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 132)  
}
```

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, 165, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8362, 0.4295, 0.3637 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, 165, 132) }
```

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

```
.border{ border-color:rgb(255, 165, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 165, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8362, 0.4295, 0.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 132) }
```

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

```
.background{ background-color: rgb(255,  
165, 132) }
```

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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