

# Converting Colors

$Yxy(66.4292, 0.4745, 0.3684)$

Have a look what the booklet for  
Yxy(66.4292, 0.4745, 0.3684)  
contains.

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# Color

**Yxy(53.4523, 0.4282, 0.3789)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAF7F
RGB	255, 175, 127
RGB Percent	100%, 69%, 50%
CMY	0.0000, 0.3137, 0.5019
CMYK	0.00, 0.31, 0.50, 0.00
HSL	22°, 100%, 75%
HSV	22°, 50%, 100%
XYZ	60.4072, 53.4523, 27.2128
YIQ	193.4480, 63.0880, 2.0320

# Conversions

## Conversions Part 2

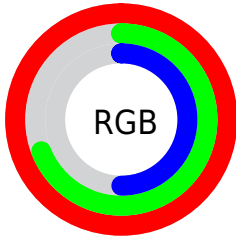
Format	Color
R <sub>Y</sub> B	255, 204, 127
Decimal	16756607
CIE Lab	78.14, 24.10, 36.33
CIE LCh	78, 43.602, 56.438
Yxy	53.4523, 0.4282, 0.3789
Android (android.graphics.Color)	4294946687 (0xFFFFAF7F)
YUV	193.4480, -32.7589, 53.9811
Hunter-Lab	73.1111, 19.5391, 29.1093

# Details

The Yxy color **53.4523, 0.4282, 0.3789** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **56.3619, 0.2357, 0.2705**, and the grayscale version is **53.7725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7071, 0.3637, 0.3807**, and **26.0570, 0.4578, 0.3872** is the 20% darker color. If you saturate the color by 10%, you get **47.0253, 0.4607, 0.3867**, and if you desaturate by 10%, it is **60.7765, 0.3985, 0.3694**.

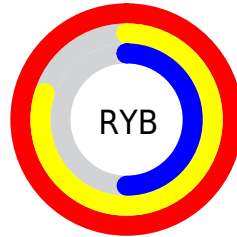
# Distribution



Red (100%)

Green (69%)

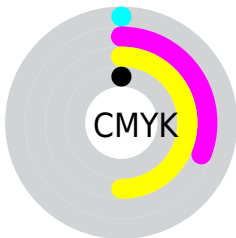
Blue (50%)



Red (100%)

Yellow (80%)

Blue (50%)

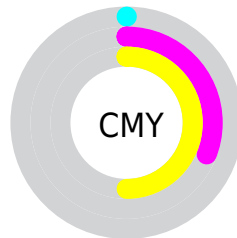


Cyan (0%)

Magenta (31%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4523, 0.4282, 0.3789 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 53.4523, 0.4282, 0.3789 by changing the saturation by 10% instead.





 53.4523, 0.4282,  
0.3789

 53.4523, 0.4282,  
0.3789


400.0180, 0.3719,  
0.3577


 38.1640, 0.4415,  
0.3829


 95.2696, 0.4083,  
0.3721

 26.1100, 0.4579,  
0.3874


 122.5673, 0.4006,  
0.3693

 16.9059, 0.4788,  
0.3920


 154.6370, 0.3941,  
0.3668

 10.1674, 0.5056,  
0.3961

191.8630, 0.3884,  
0.3645

 5.5101, 0.5407,  
0.3978

234.6297, 0.3835,  
0.3625

 2.5496, 0.5997,  
0.4003

283.3215, 0.3791,

 0.9014, 0.6397,

0.3608

338.3228, 0.3753,  
0.3591

0.3603

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.4523, 0.4282,  
0.3789

53.4523, 0.4282,  
0.3789

47.0253, 0.4607,  
0.3867

60.7765, 0.3985,  
0.3694

41.4622, 0.4945,  
0.3914

69.0388, 0.3722,  
0.3591

36.7197, 0.5275,  
0.3918

78.2708, 0.3493,  
0.3487

32.7516, 0.5568,  
0.3870

88.5046, 0.3297,  
0.3386

■ 29.5551, 0.5800,  
0.3777

99.7703, 0.3130,  
0.3292

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.



53.4523, 0.4180, 0.3339



53.4523, 0.4282, 0.3789



53.4523, 0.4046, 0.4173

# Triad

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



53.4523, 0.4282, 0.3789



53.4523, 0.2494, 0.3688



53.4523, 0.2621, 0.2397

# Complementary

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



53.4523, 0.4282, 0.3789



56.3619, 0.2357, 0.2705

# 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.



53.4523, 0.2244, 0.2409



53.4523, 0.4282, 0.3789



53.4523, 0.2173, 0.3096

# Square

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



53.4523, 0.4282, 0.3789



53.4523, 0.3002, 0.4185



53.4523, 0.2089, 0.2641



53.4523, 0.3169, 0.2578



# Rectangle

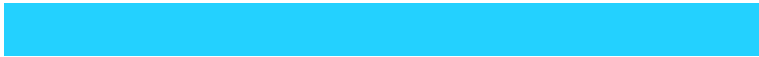
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.4523, 0.4282, 0.3789



53.4523, 0.3748, 0.4326



53.4523, 0.2089, 0.2641



53.4523, 0.2472, 0.2378

# Sweetspot

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



53.4506, 0.4282, 0.3789



83.4600, 0.3388, 0.3434



40.9971, 0.3635, 0.2475



17.4061, 0.3430, 0.3455



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.



53.4506, 0.4282, 0.3789



47.1420, 0.4600, 0.3866



83.9029, 0.3943, 0.4374



19.1029, 0.3285, 0.3380



15.7060, 0.5770, 0.3800

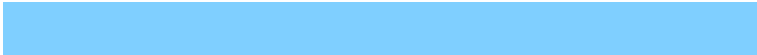


1.7309, 0.5557, 0.3970



# Inverse Universe

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



56.3619, 0.2357, 0.2705



50.2654, 0.2227, 0.2566



31.7000, 0.2199, 0.1895



19.2697, 0.2979, 0.3199



17.0955, 0.1892, 0.2009



1.8746, 0.1937, 0.2171



# Previews

## White Background



This preview shows how the Yxy color 53.4523, 0.4282, 0.3789 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

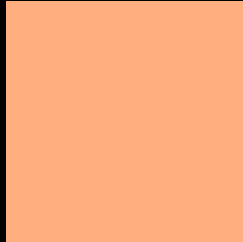
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.4523, 0.4282, 0.3789 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 53.4523, 0.4282, 0.3789**

## Background



This preview shows how black text looks on a background with the Yxy color 53.4523, 0.4282, 0.3789.



This preview shows how white text looks on a background with the Yxy color 53.4523, 0.4282, 0.3789.

# 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

53.4523, 0.4282, 0.3789

### Protanopia

53.4445, 0.3717, 0.3994

### Deuteranopia

53.5022, 0.4048, 0.3963



## Tritanopia

53.3868, 0.3799, 0.3166

# Trichromacy



**Original Color**

53.4523, 0.4282, 0.3789

**Protanomaly**

52.9525, 0.3924, 0.3914

**Deuteranomaly**

53.2549, 0.4133, 0.3891

**Tritanomaly**

53.3737, 0.3980, 0.3398

# Monochromacy



**Original Color**

53.4523, 0.4282, 0.3789

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

52.5813, 0.3524, 0.3494

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4523, 0.4282, 0.3789 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 127)  
}
```

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, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4523, 0.4282, 0.3789 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, 127) }
```

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

```
.border{ border-color:rgb(255, 175, 127) }
```

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, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4523, 0.4282, 0.3789 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, 127) }
```

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

```
.background{ background-color: rgb(255,  
175, 127) }
```

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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