

# Converting Colors

$Y_{xy}(72.2408, 0.4591, 0.3815)$

Have a look what the booklet for  
Yxy(72.2408, 0.4591, 0.3815)  
contains.

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# Color

**Yxy(60.5443, 0.4168, 0.3940)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC081
RGB	255, 192, 129
RGB Percent	100%, 75%, 51%
CMY	0.0000, 0.2470, 0.4942
CMYK	0.00, 0.25, 0.49, 0.00
HSL	30°, 100%, 75%
HSV	30°, 49%, 100%
XYZ	64.0479, 60.5443, 29.0736
YIQ	203.6550, 57.7710, -6.2370

# Conversions

## Conversions Part 2

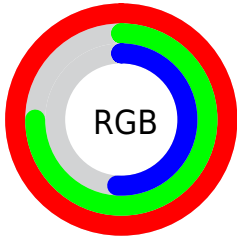
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 255, 129
Decimal	16760961
CIELab	82.13, 15.37, 40.41
CIELCh	82, 43.230, 69.178
Yxy	60.5443, 0.4168, 0.3940
Android (android.graphics.Color)	4294951041 (0xFFFFC081)
YUV	203.6550, -36.8049, 45.0296
Hunter-Lab	77.8102, 10.7607, 32.3136

# Details

The Yxy color **60.5443, 0.4168, 0.3940** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.5667, 0.2329, 0.2513**, and the grayscale version is **60.3643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8137, 0.3573, 0.3935**, and **30.7511, 0.4420, 0.4073** is the 20% darker color. If you saturate the color by 10%, you get **54.5949, 0.4442, 0.4049**, and if you desaturate by 10%, it is **67.1534, 0.3910, 0.3812**.

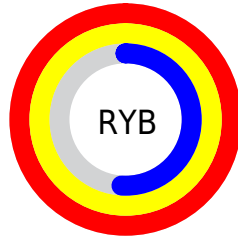
# Distribution



Red (100%)

Green (75%)

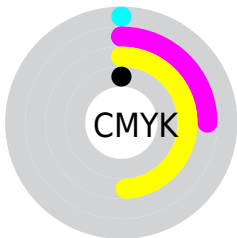
Blue (51%)



Red (100%)

Yellow (100%)

Blue (51%)

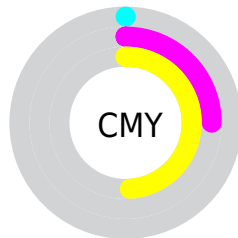


Cyan (0%)

Magenta (25%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (25%)


Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.5443, 0.4168, 0.3940 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 60.5443, 0.4168, 0.3940 by changing the saturation by 10% instead.





 60.5443, 0.4168,  
0.3940

 60.5443, 0.4168,  
0.3940


426.6011, 0.3675,  
0.3655

 43.8575, 0.4280,  
0.3998

 105.6188, 0.3997,  
0.3846

 30.5585, 0.4417,  
0.4065


 134.7754, 0.3930,  
0.3808

 20.2629, 0.4586,  
0.4141


 168.8573, 0.3873,  
0.3775

 12.5863, 0.4799,  
0.4223

208.2489, 0.3823,  
0.3745

 7.1443, 0.5066,  
0.4301

253.3348, 0.3779,  
0.3719

 3.5525, 0.5541,  
0.4459

304.4992, 0.3740,

 1.4265, 0.5762,

0.3695

0.4238

362.1265, 0.3706,  
0.3674

0.2362, 0.7174,  
0.2826

0.0000, 0.0000,  
0.0000

60.5443, 0.4168,  
0.3940

60.5443, 0.4168,  
0.3940

54.5949, 0.4442,  
0.4049

67.1534, 0.3910,  
0.3812

49.2713, 0.4720,  
0.4128

74.4366, 0.3675,  
0.3676

44.5490, 0.4988,  
0.4162

82.4188, 0.3465,  
0.3540

40.3975, 0.5227,  
0.4143

91.1206, 0.3280,  
0.3408

■ 36.7759, 0.5424,  
0.4071

99.9976, 0.3127,  
0.3290

■ 36.5783, 0.5435,  
0.4066

# Harmonies

## Analogous

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



60.5443, 0.4212, 0.3525



60.5443, 0.4168, 0.3940



60.5443, 0.3834, 0.4237

# Triad

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



60.5443, 0.4168, 0.3940



60.5443, 0.2367, 0.3427



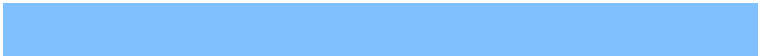
60.5443, 0.2853, 0.2488

# Complementary

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



60.5443, 0.4168, 0.3940



49.5667, 0.2329, 0.2513

# 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.



60.5443, 0.2412, 0.2418



60.5443, 0.4168, 0.3940



60.5443, 0.2152, 0.2900

# Square

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



60.5443, 0.4168, 0.3940



60.5443, 0.2789, 0.3966



60.5443, 0.2170, 0.2551



60.5443, 0.3412, 0.2730



# Rectangle

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



60.5443, 0.4168, 0.3940



60.5443, 0.3505, 0.4299



60.5443, 0.2170, 0.2551



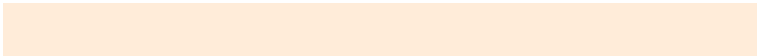
60.5443, 0.2688, 0.2444

# Sweetspot

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



60.5472, 0.4168, 0.3940



86.1804, 0.3381, 0.3481



40.7594, 0.3805, 0.2647



18.0589, 0.3420, 0.3509



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.



60.5472, 0.4168, 0.3940



54.8353, 0.4430, 0.4045



94.3542, 0.3855, 0.4493



19.4884, 0.3282, 0.3409



19.4137, 0.5410, 0.4086

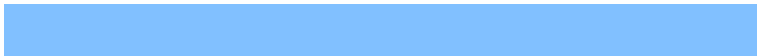


2.1087, 0.5234, 0.4226



# Inverse Universe

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



49.5667, 0.2329, 0.2513



42.7349, 0.2184, 0.2328



27.5818, 0.2176, 0.1717



18.8778, 0.2979, 0.3168



12.0627, 0.1770, 0.1573



1.3929, 0.1828, 0.1779



# Previews

## White Background



This preview shows how the Yxy color 60.5443, 0.4168, 0.3940 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 60.5443, 0.4168, 0.3940 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 60.5443, 0.4168, 0.3940**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.5443, 0.4168, 0.3940.



This preview shows how white text looks on a background with the Yxy color 60.5443, 0.4168, 0.3940.

# 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

60.5443, 0.4168, 0.3940

### Protanopia

60.9135, 0.3788, 0.4101

### Deuteranopia

60.3629, 0.4092, 0.3999



## Tritanopia

60.4550, 0.3614, 0.3167

# Trichromacy



**Original Color**

60.5443, 0.4168, 0.3940

**Protanomaly**

60.4669, 0.3927, 0.4041

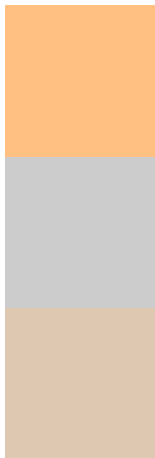
**Deuteranomaly**

60.4661, 0.4123, 0.3981

**Tritanomaly**

60.2436, 0.3823, 0.3449

# Monochromacy



**Original Color**

60.5443, 0.4168, 0.3940

**Achromatopsia**

60.3827, 0.3127, 0.3290

**Achromatomaly**

60.1709, 0.3486, 0.3554

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.5443, 0.4168, 0.3940 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, 192, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 192, 129)  
}
```

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, 192, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 192, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 60.5443, 0.4168, 0.3940 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, 192, 129) }
```

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

```
.border{ border-color:rgb(255, 192, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 192, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 192, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 192, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 192,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.5443, 0.4168, 0.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 192, 129) }
```

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

```
.background{ background-color: rgb(255,  
192, 129) }
```

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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