

# Converting Colors

Yxy(66.8646, 0.4258, 0.3944)

Have a look what the booklet for  
Yxy(66.8646, 0.4258, 0.3944)  
contains.

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# Color

**Yxy(63.2869, 0.4120, 0.3979)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC683
RGB	255, 198, 131
RGB Percent	100%, 78%, 51%
CMY	0.0000, 0.2235, 0.4863
CMYK	0.00, 0.22, 0.49, 0.00
HSL	32°, 100%, 76%
HSV	32°, 49%, 100%
XYZ	65.5295, 63.2869, 30.2358
YIQ	207.4050, 55.4790, -8.7530

# Conversions

## Conversions Part 2

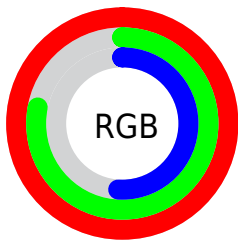
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	236, 255, 131
Decimal	16762499
CIE Lab	83.59, 12.43, 41.23
CIE LCh	84, 43.063, 73.225
Yxy	63.2869, 0.4120, 0.3979
Android (android.graphics.Color)	4294952579 (0xFFFFC683)
YUV	207.4050, -37.6677, 41.7408
Hunter-Lab	79.5531, 7.8164, 33.1527

# Details

The Yxy color **63.2869, 0.4120, 0.3979** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.0080, 0.2329, 0.2464**, and the grayscale version is **62.8946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **32.2615, 0.4357, 0.4112** is the 20% darker color. If you saturate the color by 10%, you get **57.5291, 0.4378, 0.4100**, and if you desaturate by 10%, it is **69.6355, 0.3875, 0.3841**.

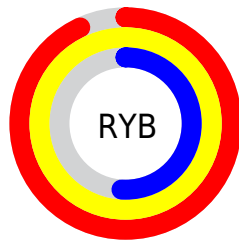
# Distribution



Red (100%)

Green (78%)

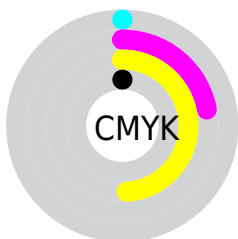
Blue (51%)



Red (93%)

Yellow (100%)

Blue (51%)

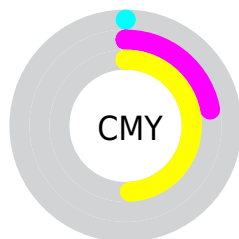


Cyan (0%)

Magenta (22%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2869, 0.4120, 0.3979 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 63.2869, 0.4120, 0.3979 by changing the saturation by 10% instead.



 63.2869, 0.4120,  
0.3979


 63.2869, 0.4120,  
0.3979


436.6100, 0.3655,  
0.3675


 46.0733, 0.4224,  
0.4042


 109.5833, 0.3959,  
0.3878

 32.3037, 0.4352,  
0.4115


 139.4350, 0.3896,  
0.3838

 21.5936, 0.4508,  
0.4199


 174.2681, 0.3842,  
0.3802

 13.5586, 0.4703,  
0.4294

214.4671, 0.3795,  
0.3770

 7.8143, 0.4945,  
0.4391

260.4164, 0.3753,  
0.3743

 3.9764, 0.5399,  
0.4601

312.5004, 0.3717,

 1.6603, 0.5568,

0.3718

0.4432

371.1035, 0.3684,  
0.3695

0.3978, 0.6314,  
0.3686

0.0000, 0.0000,  
0.0000

63.2869, 0.4120,  
0.3979

63.2869, 0.4120,  
0.3979

57.5291, 0.4378,  
0.4100

69.6355, 0.3875,  
0.3841

52.3309, 0.4638,  
0.4190

76.5863, 0.3650,  
0.3695

47.6712, 0.4887,  
0.4237

84.1613, 0.3446,  
0.3548

43.5229, 0.5108,  
0.4231

92.3789, 0.3266,  
0.3406

■ 39.8510, 0.5292,  
0.4172

99.9989, 0.3127,  
0.3290

■ 39.3780, 0.5315,  
0.4161

# Harmonies

## Analogous

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



63.2869, 0.4205, 0.3580



63.2869, 0.4120, 0.3979



63.2869, 0.3762, 0.4243

# Triad

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



63.2869, 0.4120, 0.3979



63.2869, 0.2339, 0.3349



63.2869, 0.2928, 0.2524

# Complementary

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



63.2869, 0.4120, 0.3979



48.0080, 0.2329, 0.2464

# 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.



63.2869, 0.2473, 0.2431



63.2869, 0.4120, 0.3979



63.2869, 0.2157, 0.2850

# Square

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



63.2869, 0.4120, 0.3979



63.2869, 0.2731, 0.3889



63.2869, 0.2205, 0.2534



63.2869, 0.3482, 0.2782



# Rectangle

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



63.2869, 0.4120, 0.3979



63.2869, 0.3429, 0.4274



63.2869, 0.2205, 0.2534



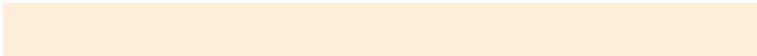
63.2869, 0.2760, 0.2473

# Sweetspot

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



63.2899, 0.4120, 0.3979



87.0687, 0.3378, 0.3496



41.1614, 0.3835, 0.2697



18.2726, 0.3418, 0.3526



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.



63.2899, 0.4120, 0.3979



57.8748, 0.4361, 0.4093



93.6386, 0.3816, 0.4489



19.6134, 0.3281, 0.3419



20.8793, 0.5292, 0.4180

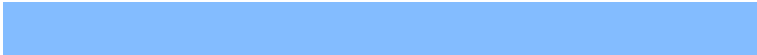


2.2516, 0.5132, 0.4307

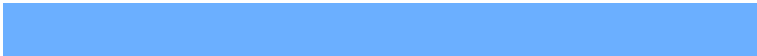


# Inverse Universe

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



48.0080, 0.2329, 0.2464



41.0412, 0.2181, 0.2268



28.6162, 0.2219, 0.1755



18.7534, 0.2979, 0.3158



10.7355, 0.1734, 0.1441



1.2608, 0.1794, 0.1657



# Previews

## White Background



This preview shows how the Yxy color 63.2869, 0.4120, 0.3979 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

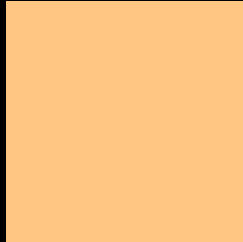
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.2869, 0.4120, 0.3979 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

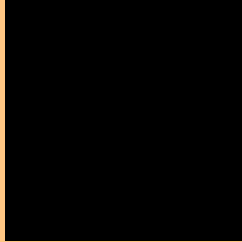
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.2869, 0.4120, 0.3979**

## Background



This preview shows how black text looks on a background with the Yxy color 63.2869, 0.4120, 0.3979.



This preview shows how white text looks on a background with the Yxy color 63.2869, 0.4120, 0.3979.

# 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

63.2869, 0.4120, 0.3979

### Protanopia

63.6811, 0.3806, 0.4118

### Deuteranopia

63.1810, 0.4090, 0.3996



## Tritanopia

63.3189, 0.3551, 0.3167

# Trichromacy



**Original Color**

63.2869, 0.4120, 0.3979

**Protanomaly**

63.3884, 0.3914, 0.4063

**Deuteranomaly**

63.3682, 0.4098, 0.3994

**Tritanomaly**

63.0179, 0.3770, 0.3469

# Monochromacy



**Original Color**

63.2869, 0.4120, 0.3979

**Achromatopsia**

62.3960, 0.3127, 0.3290

**Achromatomaly**

62.2877, 0.3470, 0.3575

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.2869, 0.4120, 0.3979 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, 198, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 131)  
}
```

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, 198, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 63.2869, 0.4120, 0.3979 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, 198, 131) }
```

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

```
.border{ border-color:rgb(255, 198, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.2869, 0.4120, 0.3979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 131) }
```

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

```
.background{ background-color: rgb(255,  
198, 131) }
```

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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