

# Converting Colors

$Yxy(68.9747, 0.4241, 0.3725)$

Have a look what the booklet for  
Yxy(68.9747, 0.4241, 0.3725)  
contains.

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# Color

**Yxy(62.4601, 0.3995, 0.3771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC395
RGB	255, 195, 149
RGB Percent	100%, 76%, 58%
CMY	0.0001, 0.2352, 0.4157
CMYK	0.00, 0.24, 0.42, 0.00
HSL	26°, 100%, 79%
HSV	26°, 42%, 100%
XYZ	66.1703, 62.4601, 37.0024
YIQ	207.6960, 50.5260, -1.5860

# Conversions

## Conversions Part 2

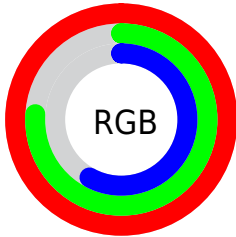
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 230, 149
Decimal	16761749
CIE Lab	83.16, 15.74, 31.39
CIE LCh	83, 35.118, 63.370
Yxy	62.4601, 0.3995, 0.3771
Android (android.graphics.Color)	4294951829 (0xFFFFC395)
YUV	207.6960, -28.9371, 41.4856
Hunter-Lab	79.0317, 11.1459, 27.5628

# Details

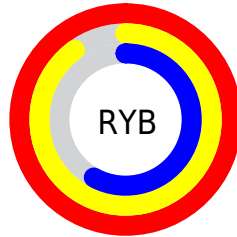
The Yxy color  $62.4601, 0.3995, 0.3771$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $59.1815, 0.2469, 0.2745$ , and the grayscale version is  $63.0363, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $95.1926, 0.3441, 0.3773$ , and  $31.6674, 0.4206, 0.3861$  is the 20% darker color. If you saturate the color by 10%, you get  $55.5805, 0.4277, 0.3880$ , and if you desaturate by 10%, it is  $70.1483, 0.3740, 0.3653$ .

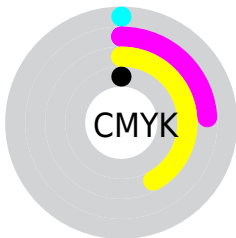
# Distribution



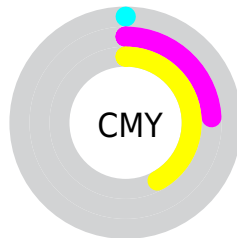
- Red (100%)
- Green (76%)
- Blue (58%)



- Red (100%)
- Yellow (90%)
- Blue (58%)



- Cyan (0%)
- Magenta (24%)
- Yellow (42%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.4601, 0.3995, 0.3771 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 62.4601, 0.3995, 0.3771 by changing the saturation by 10% instead.




 62.4601, 0.3995,  
0.3771

 62.4601, 0.3995,  
0.3771


433.6074, 0.3582,  
0.3558

 45.4046, 0.4091,  
0.3816


 108.3902, 0.3850,  
0.3700

 31.7762, 0.4209,  
0.3868


 138.0336, 0.3794,  
0.3672

 21.1906, 0.4359,  
0.3930


172.6418, 0.3746,  
0.3647

 13.2634, 0.4553,  
0.4002

212.5990, 0.3705,  
0.3625

 7.6102, 0.4810,  
0.4081

258.2898, 0.3668,  
0.3605

 3.8465, 0.5181,  
0.4172

310.0986, 0.3636,

 1.5881, 0.5752,

0.3588

0.4248

368.4096, 0.3607,  
0.3572

0.3496, 0.6721,  
0.3279

0.0000, 0.0000,  
0.0000

62.4601, 0.3995,  
0.3771

62.4601, 0.3995,  
0.3771

55.5805, 0.4277,  
0.3880

70.1483, 0.3740,  
0.3653

49.4713, 0.4580,  
0.3968

78.6637, 0.3516,  
0.3533

44.1037, 0.4890,  
0.4024

88.0354, 0.3320,  
0.3417

39.4433, 0.5187,  
0.4033

98.2883, 0.3151,  
0.3307

■ 35.4516, 0.5448,  
0.3987

99.9933, 0.3127,  
0.3290

■ 32.5635, 0.5631,  
0.3911

# Harmonies

## Analogous

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



62.4601, 0.3972, 0.3425



62.4601, 0.3995, 0.3771



62.4601, 0.3772, 0.4026

# Triad

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



62.4601, 0.3995, 0.3771



62.4601, 0.2567, 0.3492



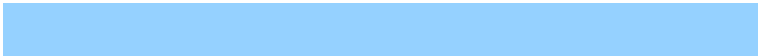
62.4601, 0.2829, 0.2607

# Complementary

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



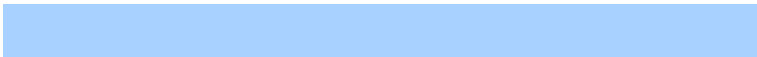
62.4601, 0.3995, 0.3771



59.1815, 0.2469, 0.2745

# 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.



62.4601, 0.2492, 0.2584



62.4601, 0.3995, 0.3771



62.4601, 0.2349, 0.3059

# Square

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



62.4601, 0.3995, 0.3771



62.4601, 0.2941, 0.3890



62.4601, 0.2324, 0.2736



62.4601, 0.3271, 0.2783



# Rectangle

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



62.4601, 0.3995, 0.3771



62.4601, 0.3523, 0.4095



62.4601, 0.2324, 0.2736



62.4601, 0.2701, 0.2581

# Sweetspot

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



62.4631, 0.3995, 0.3771



87.6320, 0.3328, 0.3422



47.3546, 0.3587, 0.2676



18.4852, 0.3352, 0.3437



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.



62.4631, 0.3995, 0.3771



56.6200, 0.4232, 0.3864



90.4968, 0.3776, 0.4261



19.2847, 0.3283, 0.3394



17.3044, 0.5603, 0.3934

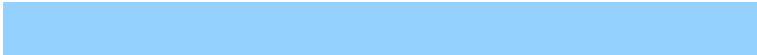


1.8973, 0.5404, 0.4091

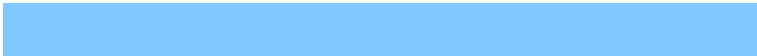


# Inverse Universe

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



59.1815, 0.2469, 0.2745



52.9065, 0.2341, 0.2610



37.4067, 0.2361, 0.2086



19.0832, 0.2979, 0.3184



14.5379, 0.1833, 0.1799



1.6329, 0.1885, 0.1984



# Previews

## White Background



This preview shows how the Yxy color 62.4601, 0.3995, 0.3771 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 62.4601, 0.3995, 0.3771 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

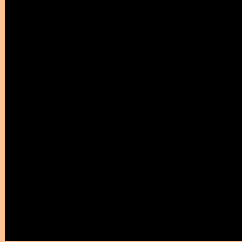
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.4601, 0.3995, 0.3771**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.4601, 0.3995, 0.3771.



This preview shows how white text looks on a background with the Yxy color 62.4601, 0.3995, 0.3771.

# 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

62.4601, 0.3995, 0.3771

### Protanopia

62.4883, 0.3635, 0.3898

### Deuteranopia

62.5778, 0.3910, 0.3837



## Tritanopia

62.3987, 0.3563, 0.3157

# Trichromacy



## Original Color

62.4601, 0.3995, 0.3771

## Protanomaly

62.4713, 0.3763, 0.3857

## Deuteranomaly

62.6660, 0.3940, 0.3822

## Tritanomaly

62.3782, 0.3725, 0.3386

# Monochromacy



## Original Color

62.4601, 0.3995, 0.3771

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

62.3073, 0.3420, 0.3471

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.4601, 0.3995, 0.3771 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, 195, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 149)  
}
```

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, 195, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 62.4601, 0.3995, 0.3771 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, 195, 149) }
```

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

```
.border{ border-color:rgb(255, 195, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.4601, 0.3995, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 149) }
```

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

```
.background{ background-color: rgb(255,  
195, 149) }
```

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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