

# Converting Colors

$Y_{xy}(82.8446, 0.4622, 0.3617)$

Have a look what the booklet for  
Yxy(82.8446, 0.4622, 0.3617)  
contains.

<b>Yxy(62.5901, 0.3963, 0.3730)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(62.5901, 0.3963, 0.3730)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC399
RGB	255, 195, 153
RGB Percent	100%, 76%, 60%
CMY	0.0001, 0.2352, 0.4000
CMYK	0.00, 0.24, 0.40, 0.00
HSL	25°, 100%, 80%
HSV	25°, 40%, 100%
XYZ	66.4999, 62.5901, 38.7119
YIQ	208.1520, 49.2420, -0.3420

# Conversions

## Conversions Part 2

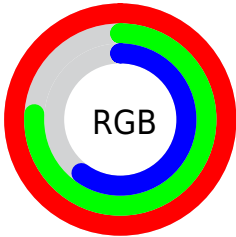
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 224, 153
Decimal	16761753
CIE <sub>Lab</sub>	83.23, 16.18, 29.39
CIE <sub>LCh</sub>	83, 33.553, 61.171
Yxy	62.5901, 0.3963, 0.3730
Android (android.graphics.Color)	4294951833 (0xFFFFC399)
YUV	208.1520, -27.1899, 41.0857
Hunter-Lab	79.1139, 11.5904, 26.3680

# Details

The Yxy color **62.5901, 0.3963, 0.3730** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.5630, 0.2497, 0.2797**, and the grayscale version is **63.3371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4349, 0.3411, 0.3723**, and **31.7448, 0.4164, 0.3811** is the 20% darker color. If you saturate the color by 10%, you get **55.4529, 0.4248, 0.3835**, and if you desaturate by 10%, it is **70.5879, 0.3708, 0.3617**.

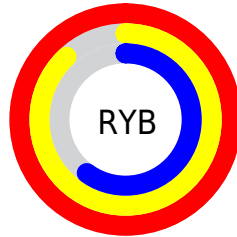
# Distribution



Red (100%)

Green (76%)

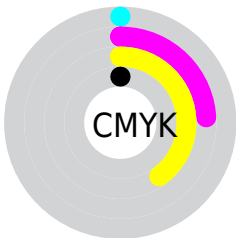
Blue (60%)



Red (100%)

Yellow (88%)

Blue (60%)

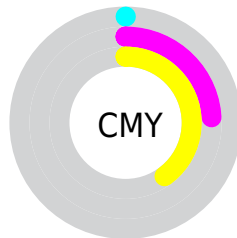


Cyan (0%)

Magenta (24%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5901, 0.3963, 0.3730 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 62.5901, 0.3963, 0.3730 by changing the saturation by 10% instead.




 62.5901, 0.3963,  
0.3730

 62.5901, 0.3963,  
0.3730


434.0803, 0.3564,  
0.3536

 45.5097, 0.4056,  
0.3771

 108.5779, 0.3823,  
0.3665

 31.8591, 0.4171,  
0.3819


 138.2541, 0.3769,  
0.3639

 21.2539, 0.4317,  
0.3876


172.8977, 0.3723,  
0.3616

 13.3097, 0.4506,  
0.3943

212.8931, 0.3683,  
0.3596

 7.6422, 0.4761,  
0.4018

258.6247, 0.3648,  
0.3578

 3.8668, 0.5118,  
0.4094

310.4768, 0.3617,

 1.5994, 0.5773,

0.3563

0.4227

368.8339, 0.3589,  
0.3548

0.3572, 0.6728,  
0.3272

0.0000, 0.0000,  
0.0000

62.5901, 0.3963,  
0.3730

62.5901, 0.3963,  
0.3730

55.4529, 0.4248,  
0.3835

70.5879, 0.3708,  
0.3617

49.1361, 0.4557,  
0.3922

79.4670, 0.3485,  
0.3504

43.6090, 0.4878,  
0.3979

89.2583, 0.3293,  
0.3394

38.8350, 0.5190,  
0.3991

99.9884, 0.3127,  
0.3290

■ 34.7733, 0.5468, 99.9967, 0.3127,  
0.3950 0.3290

■ 31.3707, 0.5695,  
0.3860

■ 31.3696, 0.5695,  
0.3860

# Harmonies

## Analogous

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



62.5901, 0.3922, 0.3396



62.5901, 0.3963, 0.3730



62.5901, 0.3766, 0.3982

# Triad

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



62.5901, 0.3963, 0.3730



62.5901, 0.2614, 0.3514



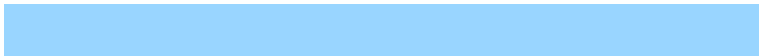
62.5901, 0.2815, 0.2628

# Complementary

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



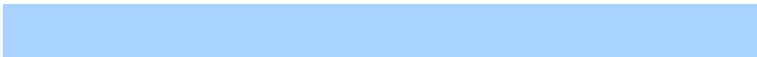
62.5901, 0.3963, 0.3730



61.5630, 0.2497, 0.2797

# 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.



62.5901, 0.2501, 0.2619



62.5901, 0.3963, 0.3730



62.5901, 0.2391, 0.3099

# Square

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



62.5901, 0.3963, 0.3730



62.5901, 0.2980, 0.3882



62.5901, 0.2353, 0.2779



62.5901, 0.3234, 0.2787



# Rectangle

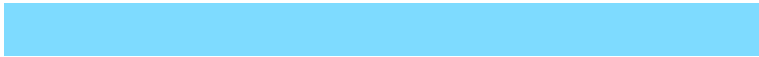
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.5901, 0.3963, 0.3730



62.5901, 0.3536, 0.4055



62.5901, 0.2353, 0.2779



62.5901, 0.2695, 0.2607

# Sweetspot

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



62.5931, 0.3963, 0.3730



87.2358, 0.3329, 0.3415



48.9034, 0.3531, 0.2666



18.3922, 0.3353, 0.3429



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.



62.5931, 0.3963, 0.3730



56.8203, 0.4189, 0.3815



88.7307, 0.3764, 0.4198



19.2162, 0.3284, 0.3388



16.6707, 0.5667, 0.3883

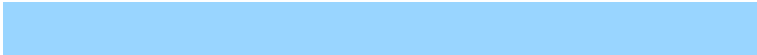


1.8322, 0.5461, 0.4046

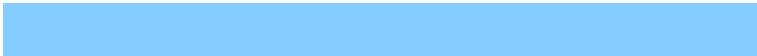


# Inverse Universe

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



61.5630, 0.2497, 0.2797



55.6329, 0.2377, 0.2678



40.2555, 0.2401, 0.2181



19.1532, 0.2979, 0.3190



15.4624, 0.1855, 0.1878



1.7209, 0.1904, 0.2054



# Previews

## White Background



This preview shows how the Yxy color 62.5901, 0.3963, 0.3730 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

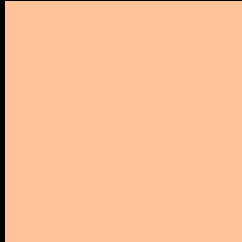
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.5901, 0.3963, 0.3730 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

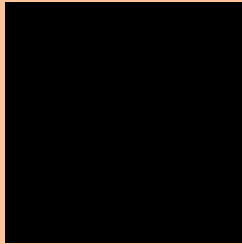
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.5901, 0.3963, 0.3730**

## Background



This preview shows how black text looks on a background with the Yxy color 62.5901, 0.3963, 0.3730.



This preview shows how white text looks on a background with the Yxy color 62.5901, 0.3963, 0.3730.

# 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

62.5901, 0.3963, 0.3730

### Protanopia

62.6239, 0.3605, 0.3852

### Deuteranopia

62.7067, 0.3879, 0.3795



## Tritanopia

62.3987, 0.3563, 0.3157

# Trichromacy



**Original Color**

62.5901, 0.3963, 0.3730

**Protanomaly**

62.6046, 0.3733, 0.3813

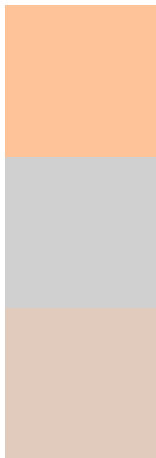
**Deuteranomaly**

62.7949, 0.3908, 0.3780

**Tritanomaly**

62.4621, 0.3709, 0.3365

# Monochromacy



**Original Color**

62.5901, 0.3963, 0.3730

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

62.3503, 0.3412, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.5901, 0.3963, 0.3730 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 62.5901, 0.3963, 0.3730 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, 153) }
```

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

```
.border{ border-color:rgb(255, 195, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 195, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 195, 153); box-shadow:4px 4px 4px 4px rgb(255, 195, 153) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.5901, 0.3963, 0.3730 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, 153) }
```

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

```
.background{ background-color: rgb(255,  
195, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor