

# Converting Colors

$Y_{xy}(112.8585, 0.5022, 0.3503)$

Have a look what the booklet for  
Yxy(112.8585, 0.5022, 0.3503)  
contains.

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# Color

**Yxy(64.7155, 0.3875, 0.3677)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC7A2
RGB	255, 199, 162
RGB Percent	100%, 78%, 64%
CMY	0.0000, 0.2197, 0.3647
CMYK	0.00, 0.22, 0.36, 0.00
HSL	24°, 100%, 82%
HSV	24°, 36%, 100%
XYZ	68.2003, 64.7155, 43.0850
YIQ	211.5260, 45.2530, 0.3650

# Conversions

## Conversions Part 2

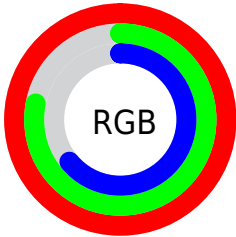
Format	Color
R <sub>Y</sub> B	255, 223, 162
Decimal	16762786
CIE Lab	84.34, 15.14, 26.16
CIE LCh	84, 30.230, 59.938
Yxy	64.7155, 0.3875, 0.3677
Android (android.graphics.Color)	4294952866 (0xFFFFC7A2)
YUV	211.5260, -24.4163, 38.1267
Hunter-Lab	80.4459, 10.5480, 24.5578

# Details

The Yxy color  $64.7155, 0.3875, 0.3677$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $65.0614, 0.2554, 0.2864$ , and the grayscale version is  $65.6433, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.7898, 0.3352, 0.3661$ , and  $33.2469, 0.4065, 0.3757$  is the 20% darker color. If you saturate the color by 10%, you get  $57.1765, 0.4153, 0.3782$ , and if you desaturate by 10%, it is  $73.1381, 0.3629, 0.3567$ .

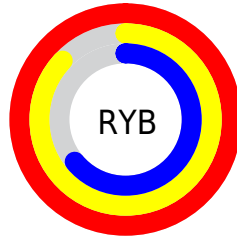
# Distribution



Red (100%)

Green (78%)

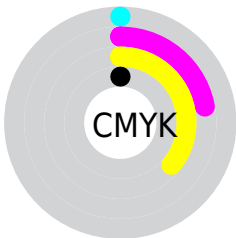
Blue (64%)



Red (100%)

Yellow (87%)

Blue (64%)

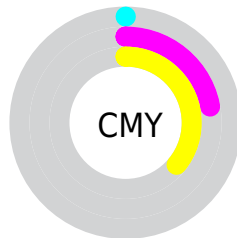


Cyan (0%)

Magenta (22%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7155, 0.3875, 0.3677 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 64.7155, 0.3875, 0.3677 by changing the saturation by 10% instead.




 64.7155, 0.3875,  
0.3677

 64.7155, 0.3875,  
0.3677

441.7689, 0.3520,  
0.3505

 47.2304, 0.3958,  
0.3714


 111.6407, 0.3750,  
0.3619

 33.2179, 0.4060,  
0.3757


 141.8497, 0.3702,  
0.3596

 22.2934, 0.4190,  
0.3809


177.0687, 0.3661,  
0.3576

 14.0726, 0.4361,  
0.3872

217.6822, 0.3625,  
0.3559

 8.1712, 0.4591,  
0.3945

264.0746, 0.3594,  
0.3543

 4.2047, 0.4913,  
0.4024

316.6302, 0.3566,

 1.7887, 0.5690,

0.3529

0.4310

375.7335, 0.3542,  
0.3517

0.4801, 0.6324,  
0.3676

0.0000, 0.0000,  
0.0000

64.7155, 0.3875,  
0.3677

64.7155, 0.3875,  
0.3677

57.1765, 0.4153,  
0.3782

73.1381, 0.3629,  
0.3567

50.5096, 0.4460,  
0.3874

82.4955, 0.3415,  
0.3458

44.6735, 0.4786,  
0.3939

92.8097, 0.3232,  
0.3354

39.6309, 0.5111,  
0.3965

100.0000, 0.3127,  
0.3290

■ 35.3408, 0.5410,  
0.3941

■ 31.7564, 0.5659,  
0.3862

■ 30.6421, 0.5737,  
0.3827

# Harmonies

## Analogous

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



64.7155, 0.3828, 0.3376



64.7155, 0.3875, 0.3677



64.7155, 0.3710, 0.3902

# Triad

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



64.7155, 0.3875, 0.3677



64.7155, 0.2681, 0.3505



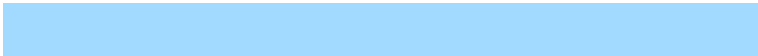
64.7155, 0.2835, 0.2691

# Complementary

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



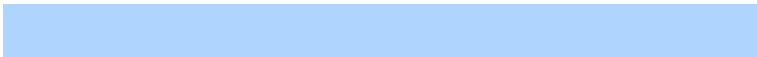
64.7155, 0.3875, 0.3677



65.0614, 0.2554, 0.2864

# 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.



64.7155, 0.2558, 0.2691



64.7155, 0.3875, 0.3677



64.7155, 0.2472, 0.3137

# Square

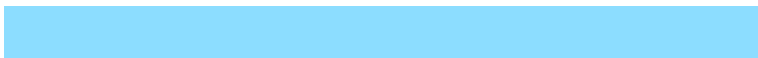
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.7155, 0.3875, 0.3677



64.7155, 0.3014, 0.3824



64.7155, 0.2430, 0.2845



64.7155, 0.3208, 0.2830



# Rectangle

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



64.7155, 0.3875, 0.3677



64.7155, 0.3509, 0.3969



64.7155, 0.2430, 0.2845



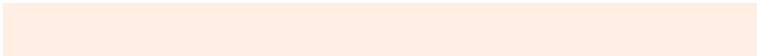
64.7155, 0.2729, 0.2675

# Sweetspot

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



64.7085, 0.3875, 0.3677



88.0119, 0.3311, 0.3400



52.2389, 0.3470, 0.2706



18.5395, 0.3336, 0.3415



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.



64.7085, 0.3875, 0.3677



58.9515, 0.4082, 0.3757



88.6618, 0.3713, 0.4107



19.1721, 0.3284, 0.3385



16.2829, 0.5707, 0.3850

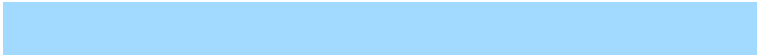


1.7918, 0.5499, 0.4016

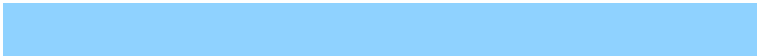


# Inverse Universe

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



65.0614, 0.2554, 0.2864



59.3283, 0.2440, 0.2758



44.7373, 0.2476, 0.2314



19.1984, 0.2979, 0.3193



16.0825, 0.1869, 0.1929



1.7795, 0.1917, 0.2100



# Previews

## White Background



This preview shows how the Yxy color 64.7155, 0.3875, 0.3677 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 64.7155, 0.3875, 0.3677 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

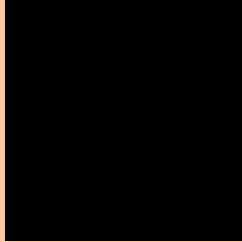
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.7155, 0.3875, 0.3677**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.7155, 0.3875, 0.3677.



This preview shows how white text looks on a background with the Yxy color 64.7155, 0.3875, 0.3677.

# 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

64.7155, 0.3875, 0.3677

### Protanopia

64.7305, 0.3546, 0.3778

### Deuteranopia

64.5884, 0.3805, 0.3729



## Tritanopia

64.8443, 0.3513, 0.3157

# Trichromacy



**Original Color**

64.7155, 0.3875, 0.3677

**Protanomaly**

64.5214, 0.3662, 0.3743

**Deuteranomaly**

64.6705, 0.3834, 0.3715

**Tritanomaly**

64.5014, 0.3648, 0.3343

# Monochromacy



**Original Color**

64.7155, 0.3875, 0.3677

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

65.0147, 0.3384, 0.3435

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.7155, 0.3875, 0.3677 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, 199, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 162)  
}
```

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, 199, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 64.7155, 0.3875, 0.3677 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, 199, 162) }
```

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

```
.border{ border-color:rgb(255, 199, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.7155, 0.3875, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 162) }
```

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

```
.background{ background-color: rgb(255,  
199, 162) }
```

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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