

# Converting Colors

$Y_{xy}(72.2797, 0.3966, 0.3617)$

Have a look what the booklet for  
Yxy(72.2797, 0.3966, 0.3617)  
contains.

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# Color

**Yxy(67.8629, 0.3782, 0.3645)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFCDAB
RGB	255, 205, 171
RGB Percent	100%, 80%, 67%
CMY	0.0001, 0.1960, 0.3295
CMYK	0.00, 0.20, 0.33, 0.00
HSL	24°, 100%, 84%
HSV	24°, 33%, 100%
XYZ	70.4136, 67.8629, 47.9043
YIQ	216.0740, 40.7140, 0.0260

# Conversions

## Conversions Part 2

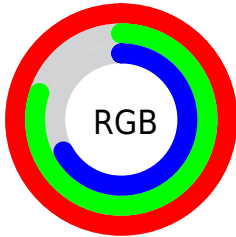
Format	Color
<b>R<sub>YB</sub></b>	255, 228, 171
Decimal	16764331
CIE Lab	85.94, 13.03, 23.64
CIE LCh	86, 26.996, 61.132
Yxy	67.8629, 0.3782, 0.3645
Android (android.graphics.Color)	4294954411 (0xFFFFCDAB)
YUV	216.0740, -22.2215, 34.1381
Hunter-Lab	82.3789, 8.4101, 23.1874

# Details

The Yxy color **67.8629, 0.3782, 0.3645** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **67.5534, 0.2608, 0.2904**, and the grayscale version is **68.8556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **35.3354, 0.3937, 0.3717** is the 20% darker color. If you saturate the color by 10%, you get **60.0779, 0.4047, 0.3755**, and if you desaturate by 10%, it is **76.5450, 0.3549, 0.3533**.

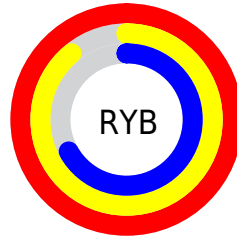
# Distribution



Red (100%)

Green (80%)

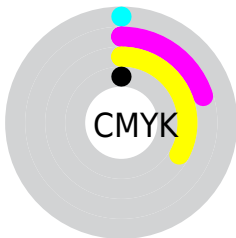
Blue (67%)



Red (100%)

Yellow (89%)

Blue (67%)

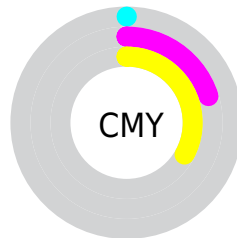


Cyan (0%)

Magenta (20%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8629, 0.3782, 0.3645 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 67.8629, 0.3782, 0.3645 by changing the saturation by 10% instead.





 67.8629, 0.3782,  
0.3645

 67.8629, 0.3782,  
0.3645


453.0101, 0.3473,  
0.3487

 49.7862, 0.3853,  
0.3679


 116.1560, 0.3674,  
0.3592

 35.2436, 0.3942,  
0.3720


147.1412, 0.3632,  
0.3570

 23.8505, 0.4054,  
0.3770

183.1980, 0.3596,  
0.3552

 15.2228, 0.4201,  
0.3831

224.7108, 0.3565,  
0.3536

 8.9759, 0.4399,  
0.3906

272.0640, 0.3538,  
0.3521

 4.7255, 0.4679,  
0.3995

325.6421, 0.3514,

 2.0871, 0.5249,

0.3509

0.4210

385.8293, 0.3493,  
0.3497

0.6574, 0.5903,  
0.4097

0.0000, 0.0000,  
0.0000

67.8629, 0.3782,  
0.3645

67.8629, 0.3782,  
0.3645

60.0779, 0.4047,  
0.3755

76.5450, 0.3549,  
0.3533

53.1497, 0.4343,  
0.3854

86.1439, 0.3347,  
0.3423

47.0489, 0.4660,  
0.3932

96.6901, 0.3173,  
0.3319

41.7402, 0.4984,  
0.3975

99.9954, 0.3127,  
0.3290

■ 37.1850, 0.5292,  
0.3971

■ 33.3401, 0.5558,  
0.3913

■ 31.0210, 0.5715,  
0.3844

# Harmonies

## Analogous

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



67.8629, 0.3747, 0.3381



67.8629, 0.3782, 0.3645



67.8629, 0.3632, 0.3835

# Triad

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



67.8629, 0.3782, 0.3645



67.8629, 0.2724, 0.3467



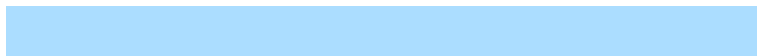
67.8629, 0.2883, 0.2762

# Complementary

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



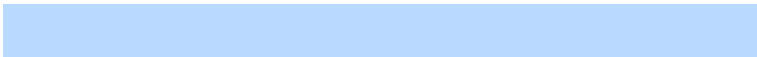
67.8629, 0.3782, 0.3645



67.5534, 0.2608, 0.2904

# 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.



67.8629, 0.2631, 0.2758



67.8629, 0.3782, 0.3645



67.8629, 0.2544, 0.3147

# Square

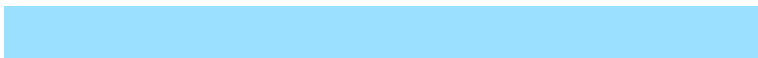
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.8629, 0.3782, 0.3645



67.8629, 0.3016, 0.3746



67.8629, 0.2511, 0.2892



67.8629, 0.3213, 0.2889



# Rectangle

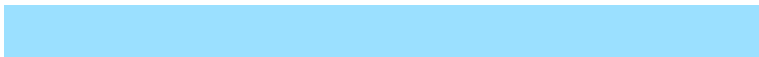
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.8629, 0.3782, 0.3645



67.8629, 0.3453, 0.3886



67.8629, 0.2511, 0.2892



67.8629, 0.2787, 0.2746

# Sweetspot

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



67.8661, 0.3782, 0.3645



89.1674, 0.3293, 0.3392



55.6138, 0.3440, 0.2777



18.7762, 0.3318, 0.3407



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.



67.8661, 0.3782, 0.3645



62.2926, 0.3966, 0.3723



90.4573, 0.3650, 0.4041



19.1955, 0.3284, 0.3387



16.4872, 0.5686, 0.3868

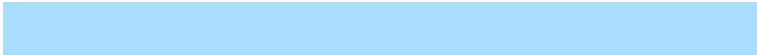


1.8131, 0.5479, 0.4032

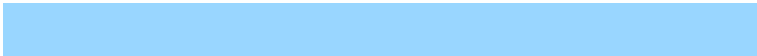


# Inverse Universe

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



67.5534, 0.2608, 0.2904



61.9162, 0.2499, 0.2805



48.2661, 0.2545, 0.2407



19.1743, 0.2979, 0.3191



15.7503, 0.1862, 0.1901



1.7482, 0.1910, 0.2076



# Previews

## White Background



This preview shows how the Yxy color 67.8629, 0.3782, 0.3645 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 67.8629, 0.3782, 0.3645 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 67.8629, 0.3782, 0.3645**

## Background



This preview shows how black text looks on a background with the Yxy color 67.8629, 0.3782, 0.3645.



This preview shows how white text looks on a background with the Yxy color 67.8629, 0.3782, 0.3645.

# 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

67.8629, 0.3782, 0.3645

### Protanopia

68.2294, 0.3500, 0.3724

### Deuteranopia

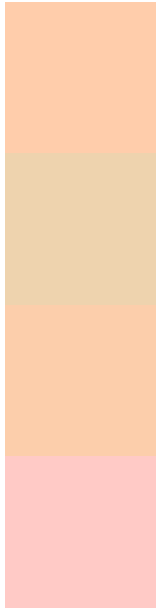
68.0752, 0.3743, 0.3669



## Tritanopia

67.8883, 0.3455, 0.3158

# Trichromacy



**Original Color**

67.8629, 0.3782, 0.3645

**Protanomaly**

67.8217, 0.3604, 0.3693

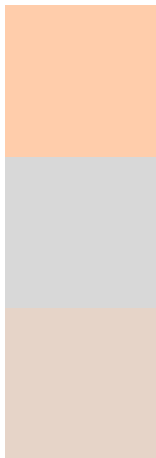
**Deuteranomaly**

67.7783, 0.3755, 0.3658

**Tritanomaly**

67.5783, 0.3578, 0.3333

# Monochromacy



**Original Color**

67.8629, 0.3782, 0.3645

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

68.0801, 0.3348, 0.3422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.8629, 0.3782, 0.3645 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, 205, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 171)  
}
```

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, 205, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 67.8629, 0.3782, 0.3645 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, 205, 171) }
```

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

```
.border{ border-color:rgb(255, 205, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.8629, 0.3782, 0.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 171) }
```

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

```
.background{ background-color: rgb(255,  
205, 171) }
```

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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