

# Converting Colors

$Yxy(67.0439, 0.3835, 0.3983)$

Have a look what the booklet for  
Yxy(67.0439, 0.3835, 0.3983)  
contains.

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# Color

**Yxy(66.8693, 0.3838, 0.3978)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1D292
RGB	241, 210, 146
RGB Percent	95%, 82%, 57%
CMY	0.0548, 0.1765, 0.4273
CMYK	0.00, 0.13, 0.39, 0.05
HSL	40°, 77%, 76%
HSV	40°, 39%, 95%
XYZ	64.5159, 66.8693, 36.7126
YIQ	211.9730, 39.0200, -13.3320

# Conversions

## Conversions Part 2

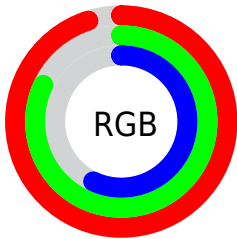
Format	Color
R <sub>Y</sub> B	192, 241, 146
Decimal	15848082
CIE Lab	85.44, 2.19, 35.69
CIE LCh	85, 35.757, 86.493
Yxy	66.8693, 0.3838, 0.3978
Android (android.graphics.Color)	4294038162 (0xFFFF1D292)
YUV	211.9730, -32.5247, 25.4567
Hunter-Lab	81.7737, -2.2750, 30.6231

# Details

The Yxy color **66.8693, 0.3838, 0.3978** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **43.9278, 0.2458, 0.2484**, and the grayscale version is **66.0245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9970, 0.3448, 0.3820**, and **34.6704, 0.3990, 0.4132** is the 20% darker color. If you saturate the color by 10%, you get **62.4085, 0.4047, 0.4145**, and if you desaturate by 10%, it is **71.6855, 0.3637, 0.3801**.

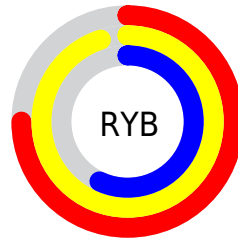
# Distribution



Red (95%)

Green (82%)

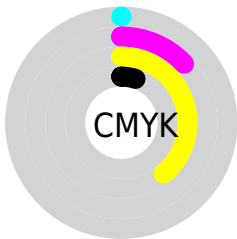
Blue (57%)



Red (75%)

Yellow (95%)

Blue (57%)

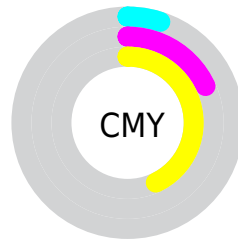


Cyan (0%)

Magenta (13%)

Yellow (39%)

Black (5%)



Cyan (5%)

Magenta (18%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8693, 0.3838, 0.3978 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 66.8693, 0.3838, 0.3978 by changing the saturation by 10% instead.





 66.8693, 0.3838,  
0.3978


 66.8693, 0.3838,  
0.3978


449.4794, 0.3509,  
0.3662

 48.9784, 0.3912,  
0.4048


 114.7331, 0.3725,  
0.3870

 34.6024, 0.4001,  
0.4132


 145.4748, 0.3680,  
0.3827

 23.3567, 0.4112,  
0.4236


181.2690, 0.3642,  
0.3791

 14.8571, 0.4251,  
0.4364

222.4999, 0.3608,  
0.3758

 8.7192, 0.4427,  
0.4522

269.5520, 0.3579,  
0.3730

 4.5585, 0.4670,  
0.4737

322.8097, 0.3553,

 1.9906, 0.4993,

0.3705

0.5007

382.6574, 0.3530,  
0.3683

0.6020, 0.5096,  
0.4904

0.0000, 0.0000,  
0.0000

66.8693, 0.3838,  
0.3978

66.8693, 0.3838,  
0.3978

62.4085, 0.4047,  
0.4145

71.6855, 0.3637,  
0.3801

58.2811, 0.4258,  
0.4291

76.8597, 0.3448,  
0.3622

54.4763, 0.4460,  
0.4405

82.4059, 0.3275,  
0.3447

50.9785, 0.4643,  
0.4477

88.3346, 0.3118,  
0.3280

■ 47.7696, 0.4798,  
0.4498

■ 93.8902, 0.3042,  
0.3234

■ 44.8229, 0.4922,  
0.4471

■ 97.4433, 0.3042,  
0.3290

■ 44.6554, 0.4929,  
0.4468

# Harmonies

## Analogous

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



66.8693, 0.4009, 0.3695



66.8693, 0.3838, 0.3978



66.8693, 0.3479, 0.4092

# Triad

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



66.8693, 0.3838, 0.3978



66.8693, 0.2386, 0.3153



66.8693, 0.3166, 0.2733

# Complementary

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



66.8693, 0.3838, 0.3978



43.9278, 0.2458, 0.2484

# 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.



66.8693, 0.2741, 0.2590



66.8693, 0.3838, 0.3978



66.8693, 0.2316, 0.2798

# Square

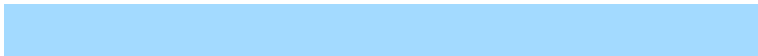
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.8693, 0.3838, 0.3978



66.8693, 0.2644, 0.3591



66.8693, 0.2440, 0.2606



66.8693, 0.3609, 0.3000



# Rectangle

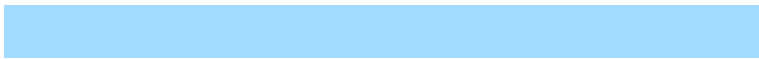
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.8693, 0.3838, 0.3978



66.8693, 0.3188, 0.4029



66.8693, 0.2440, 0.2606



66.8693, 0.3016, 0.2669

# Sweetspot

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



66.8724, 0.3838, 0.3978



91.9733, 0.3319, 0.3493



42.4725, 0.3781, 0.2943



19.5072, 0.3342, 0.3516



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.



66.8724, 0.3838, 0.3978



72.0563, 0.3999, 0.4108



81.0323, 0.3603, 0.4309



17.5383, 0.3276, 0.3449



24.4686, 0.4914, 0.4480



2.2159, 0.4795, 0.4575



# Inverse Universe

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



43.9278, 0.2458, 0.2484



42.7655, 0.2318, 0.2292



34.5859, 0.2512, 0.2117



16.0716, 0.2980, 0.3126



6.6705, 0.1629, 0.1063



0.7295, 0.1701, 0.1323



# Previews

## White Background



This preview shows how the Yxy color 66.8693, 0.3838, 0.3978 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

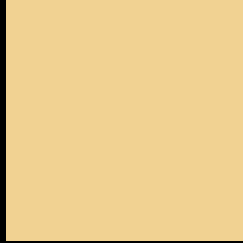
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.8693, 0.3838, 0.3978 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 66.8693, 0.3838, 0.3978**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.8693, 0.3838, 0.3978.



This preview shows how white text looks on a background with the Yxy color 66.8693, 0.3838, 0.3978.

# 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

66.8693, 0.3838, 0.3978

### Protanopia

67.1886, 0.3734, 0.4029

### Deuteranopia

66.5523, 0.3971, 0.3880



## Tritanopia

66.7395, 0.3377, 0.3125

# Trichromacy



## Original Color

66.8693, 0.3838, 0.3978

## Protanomaly

67.3573, 0.3770, 0.4011

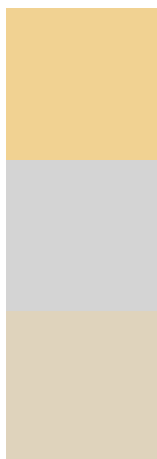
## Deuteranomaly

66.5732, 0.3921, 0.3910

## Tritanomaly

66.3598, 0.3548, 0.3430

# Monochromacy



## Original Color

66.8693, 0.3838, 0.3978

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.9073, 0.3382, 0.3549

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.8693, 0.3838, 0.3978 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(241, 210, 146)` looks like.

```
.text, #text, p{  
    color:rgb(241, 210, 146)  
}
```

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(241, 210, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 210, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8693, 0.3838, 0.3978 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(241, 210, 146) }
```

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

```
.border{ border-color:rgb(241, 210, 146) }
```

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

Here you see how a box with a 4 pixel rgb(241, 210, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 210, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 210, 146);  
box-shadow:4px 4px 4px 4px rgb(241, 210,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.8693, 0.3838, 0.3978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 210, 146) }
```

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

```
.background{ background-color: rgb(241,  
210, 146) }
```

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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