

# Converting Colors

Yxy(67.5671, 0.3974, 0.4034)

Have a look what the booklet for  
Yxy(67.5671, 0.3974, 0.4034)  
contains.

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# Color

**Yxy(67.7311, 0.3980, 0.4039)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAD189
RGB	250, 209, 137
RGB Percent	98%, 82%, 54%
CMY	0.0196, 0.1804, 0.4628
CMYK	0.00, 0.16, 0.45, 0.02
HSL	38°, 92%, 76%
HSV	38°, 45%, 98%
XYZ	66.7417, 67.7311, 33.2199
YIQ	213.0510, 47.5480, -13.7000

# Conversions

## Conversions Part 2

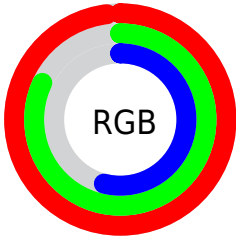
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 250, 137
Decimal	16437641
CIE <sub>Lab</sub>	85.87, 5.31, 41.00
CIE <sub>LCh</sub>	86, 41.343, 82.616
Yxy	67.7311, 0.3980, 0.4039
Android (android.graphics.Color)	4294627721 (0xFF <sub>FAD189</sub> )
YUV	213.0510, -37.4931, 32.4043
Hunter-Lab	82.2989, 0.7346, 33.6768

# Details

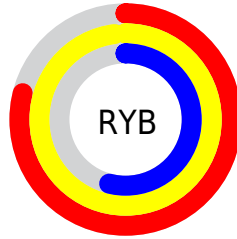
The Yxy color **67.7311, 0.3980, 0.4039** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.0605, 0.2361, 0.2392**, and the grayscale version is **66.8092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5416, 0.3508, 0.3919**, and **35.1909, 0.4161, 0.4198** is the 20% darker color. If you saturate the color by 10%, you get **62.7728, 0.4203, 0.4188**, and if you desaturate by 10%, it is **73.1155, 0.3765, 0.3875**.

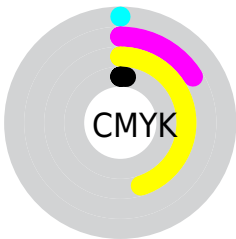
# Distribution



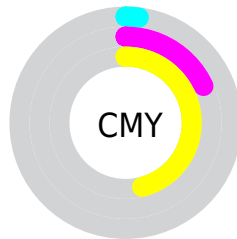
- Red (98%)
- Green (82%)
- Blue (54%)



- Red (79%)
- Yellow (98%)
- Blue (54%)



- Cyan (0%)
- Magenta (16%)
- Yellow (45%)
- Black (2%)




- Cyan (2%)
- Magenta (18%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7311, 0.3980, 0.4039 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 67.7311, 0.3980, 0.4039 by changing the saturation by 10% instead.



 67.7311, 0.3980,  
0.4039


 67.7311, 0.3980,  
0.4039


452.5427, 0.3587,  
0.3702


 49.6790, 0.4067,  
0.4111


 115.9674, 0.3846,  
0.3926

 35.1584, 0.4171,  
0.4196


 146.9204, 0.3793,  
0.3880

 23.7849, 0.4299,  
0.4298


 182.9424, 0.3747,  
0.3841

 15.1742, 0.4457,  
0.4420

224.4179, 0.3707,  
0.3807

 8.9417, 0.4651,  
0.4560

271.7313, 0.3672,  
0.3776

 4.7032, 0.4960,  
0.4784

325.2670, 0.3640,

 2.0742, 0.5158,

0.3749

0.4842

385.4093, 0.3612,  
0.3724

0.6500, 0.5349,  
0.4651

0.0000, 0.0000,  
0.0000

67.7311, 0.3980,  
0.4039

67.7311, 0.3980,  
0.4039

62.7728, 0.4203,  
0.4188

73.1155, 0.3765,  
0.3875

58.2151, 0.4424,  
0.4310

78.9309, 0.3562,  
0.3704

54.0438, 0.4632,  
0.4393

85.1942, 0.3376,  
0.3535

50.2392, 0.4817,  
0.4428

91.9183, 0.3208,  
0.3372

■ 46.7779, 0.4968,  
0.4410

■ 98.6562, 0.3097,  
0.3284

■ 45.2249, 0.5032,  
0.4387

■ 99.0653, 0.3096,  
0.3290

# Harmonies

## Analogous

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



67.7311, 0.4147, 0.3693



67.7311, 0.3980, 0.4039



67.7311, 0.3586, 0.4214

# Triad

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



67.7311, 0.3980, 0.4039



67.7311, 0.2308, 0.3189



67.7311, 0.3101, 0.2628

# Complementary

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



67.7311, 0.3980, 0.4039



44.0605, 0.2361, 0.2392

# 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.



67.7311, 0.2630, 0.2487



67.7311, 0.3980, 0.4039



67.7311, 0.2202, 0.2764

# Square

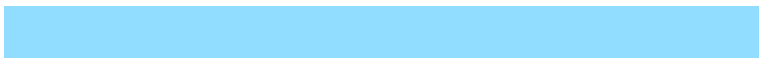
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.7311, 0.3980, 0.4039



67.7311, 0.2622, 0.3702



67.7311, 0.2314, 0.2526



67.7311, 0.3619, 0.2913



# Rectangle

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



67.7311, 0.3980, 0.4039



67.7311, 0.3256, 0.4175



67.7311, 0.2314, 0.2526



67.7311, 0.2932, 0.2563

# Sweetspot

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



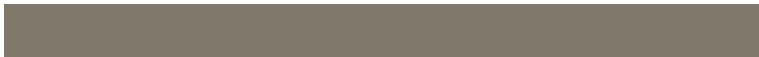
67.7343, 0.3980, 0.4039



89.9228, 0.3355, 0.3515



41.4470, 0.3886, 0.2853



18.9330, 0.3394, 0.3551



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.



67.7343, 0.3980, 0.4039



66.2332, 0.4177, 0.4172



87.8334, 0.3692, 0.4446



19.0696, 0.3278, 0.3441



24.2703, 0.5014, 0.4400



2.4492, 0.4890, 0.4499



# Inverse Universe

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



44.0605, 0.2361, 0.2392



38.7556, 0.2207, 0.2176



31.4740, 0.2372, 0.1906



17.6739, 0.2979, 0.3135



7.8517, 0.1654, 0.1155



0.9207, 0.1720, 0.1391



# Previews

## White Background



This preview shows how the Yxy color 67.7311, 0.3980, 0.4039 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

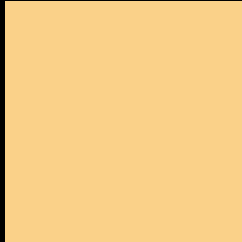
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.7311, 0.3980, 0.4039 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

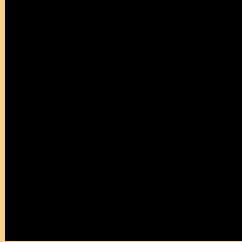
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.7311, 0.3980, 0.4039**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.7311, 0.3980, 0.4039.



This preview shows how white text looks on a background with the Yxy color 67.7311, 0.3980, 0.4039.

# 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**

67.7311, 0.3980, 0.4039

**Protanopia**

67.9574, 0.3810, 0.4117

**Deuteranopia**

67.5407, 0.3954, 0.3890



## Tritanopia

67.4748, 0.3449, 0.3138

# Trichromacy



**Original Color**

67.7311, 0.3980, 0.4039

**Protanomaly**

67.9487, 0.3874, 0.4092

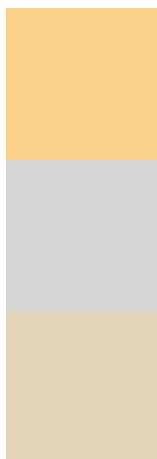
**Deuteranomaly**

67.5219, 0.3963, 0.3944

**Tritanomaly**

67.1824, 0.3646, 0.3458

# Monochromacy



**Original Color**

67.7311, 0.3980, 0.4039

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

66.7585, 0.3426, 0.3592

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.7311, 0.3980, 0.4039 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(250, 209, 137)` looks like.

```
.text, #text, p{  
    color:rgb(250, 209, 137)  
}
```

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(250, 209, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 209, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 67.7311, 0.3980, 0.4039 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(250, 209, 137) }
```

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

```
.border{ border-color:rgb(250, 209, 137) }
```

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

Here you see how a box with a 4 pixel rgb(250, 209, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 209, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 209, 137);  
box-shadow:4px 4px 4px 4px rgb(250, 209,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.7311, 0.3980, 0.4039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 209, 137) }
```

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

```
.background{ background-color: rgb(250,  
209, 137) }
```

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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