

# Converting Colors

$Y_{xy}(75.6048, 0.3918, 0.4146)$

Have a look what the booklet for  
Yxy(75.6048, 0.3918, 0.4146)  
contains.

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# Color

**Yxy(75.3349, 0.3917, 0.4145)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCDF8B
RGB	252, 223, 139
RGB Percent	99%, 87%, 55%
CMY	0.0118, 0.1255, 0.4548
CMYK	0.00, 0.12, 0.45, 0.01
HSL	45°, 95%, 77%
HSV	45°, 45%, 99%
XYZ	71.1910, 75.3349, 35.2229
YIQ	222.0950, 44.2480, -19.9760

# Conversions

## Conversions Part 2

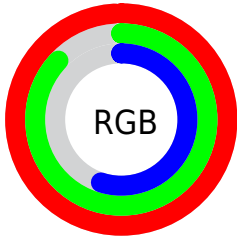
Format	Color
R <sub>Y</sub> B	178, 252, 139
Decimal	16572299
CIE Lab	89.55, -0.88, 44.69
CIE LCh	90, 44.697, 91.122
Yxy	75.3349, 0.3917, 0.4145
Android (android.graphics.Color)	4294762379 (0xFFFCDF8B)
YUV	222.0950, -40.9658, 26.2267
Hunter-Lab	86.7957, -5.4843, 36.6962

# Details

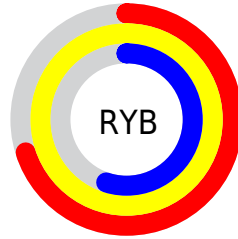
The Yxy color **75.3349, 0.3917, 0.4145** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.5248, 0.2340, 0.2246**, and the grayscale version is **73.3917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6750, 0.3490, 0.3890**, and **40.1627, 0.4087, 0.4323** is the 20% darker color. If you saturate the color by 10%, you get **71.2957, 0.4108, 0.4315**, and if you desaturate by 10%, it is **79.6828, 0.3725, 0.3957**.

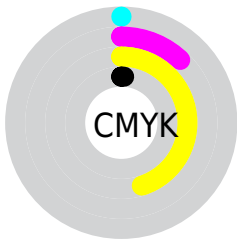
# Distribution



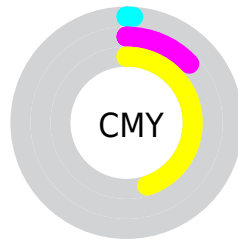
- Red (99%)
- Green (87%)
- Blue (55%)



- Red (70%)
- Yellow (99%)
- Blue (55%)



- Cyan (0%)
- Magenta (12%)
- Yellow (45%)
- Black (1%)



- Cyan (1%)
- Magenta (13%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3349, 0.3917, 0.4145 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 75.3349, 0.3917, 0.4145 by changing the saturation by 10% instead.





 75.3349, 0.3917,  
0.4145

 75.3349, 0.3917,  
0.4145


479.0679, 0.3564,  
0.3762

 55.8873, 0.3992,  
0.4227


 126.7863, 0.3799,  
0.4016

 40.1126, 0.4081,  
0.4324


 159.5589, 0.3751,  
0.3965

 27.6263, 0.4188,  
0.4441


 197.5420, 0.3710,  
0.3920

 18.0442, 0.4315,  
0.4582

241.1199, 0.3674,  
0.3881

 10.9817, 0.4465,  
0.4750

290.6770, 0.3642,  
0.3846

 6.0545, 0.4666,  
0.4975

346.5978, 0.3613,

 2.8783, 0.4830,

0.3815

0.5170

409.2666, 0.3588,  
0.3787

■ 1.0685, 0.4813,  
0.5187

■ 0.0000, 0.0000,  
0.0000

■ 75.3349, 0.3917,  
0.4145

■ 75.3349, 0.3917,  
0.4145

■ 71.2957, 0.4108,  
0.4315

■ 79.6828, 0.3725,  
0.3957

■ 67.5413, 0.4290,  
0.4458

■ 84.3410, 0.3540,  
0.3762

■ 64.0605, 0.4454,  
0.4561

■ 89.3242, 0.3364,  
0.3567

■ 60.8363, 0.4592,  
0.4618

■ 94.6429, 0.3201,  
0.3378

■ 57.8479, 0.4699,  
0.4625

99.4334, 0.3109,  
0.3290

■ 56.3806, 0.4745,  
0.4614

# Harmonies

## Analogous

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



75.3349, 0.4171, 0.3818



75.3349, 0.3917, 0.4145



75.3349, 0.3460, 0.4257

# Triad

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



75.3349, 0.3917, 0.4145



75.3349, 0.2221, 0.3041



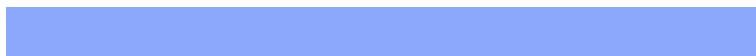
75.3349, 0.3254, 0.2673

# Complementary

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



75.3349, 0.3917, 0.4145



40.5248, 0.2340, 0.2246

# 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.



75.3349, 0.2734, 0.2480



75.3349, 0.3917, 0.4145



75.3349, 0.2176, 0.2649

# Square

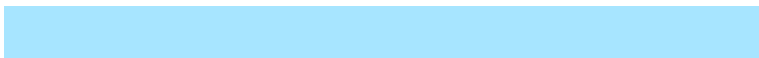
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.3349, 0.3917, 0.4145



75.3349, 0.2488, 0.3569



75.3349, 0.2355, 0.2463



75.3349, 0.3778, 0.3001

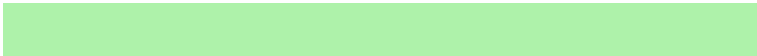


# Rectangle

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



75.3349, 0.3917, 0.4145



75.3349, 0.3110, 0.4154



75.3349, 0.2355, 0.2463



75.3349, 0.3072, 0.2591

# Sweetspot

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



75.3384, 0.3917, 0.4145



92.7395, 0.3333, 0.3532



42.0354, 0.4001, 0.2974



19.5988, 0.3371, 0.3575



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.



75.3384, 0.3917, 0.4145



73.5675, 0.4093, 0.4303



87.5875, 0.3610, 0.4471



19.3927, 0.3275, 0.3465



29.6221, 0.4734, 0.4623



2.9136, 0.4655, 0.4686



# Inverse Universe

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



40.5248, 0.2340, 0.2246



33.6825, 0.2167, 0.1986



33.5398, 0.2461, 0.1947



17.3667, 0.2979, 0.3108



5.8085, 0.1583, 0.0899



0.7008, 0.1645, 0.1121



# Previews

## White Background



This preview shows how the Yxy color 75.3349, 0.3917, 0.4145 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 75.3349, 0.3917, 0.4145 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 75.3349, 0.3917, 0.4145**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.3349, 0.3917, 0.4145.



This preview shows how white text looks on a background with the Yxy color 75.3349, 0.3917, 0.4145.

# 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

75.3349, 0.3917, 0.4145

### Protanopia

75.3367, 0.3856, 0.4170

### Deuteranopia

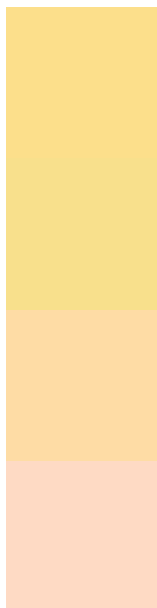
75.2183, 0.3671, 0.3691



## Tritanopia

75.4623, 0.3331, 0.3160

# Trichromacy



## Original Color

75.3349, 0.3917, 0.4145

## Protanomaly

75.1612, 0.3875, 0.4155

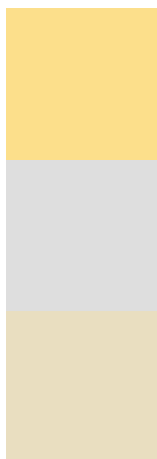
## Deuteranomaly

74.9738, 0.3768, 0.3856

## Tritanomaly

75.1992, 0.3550, 0.3517

# Monochromacy



## Original Color

75.3349, 0.3917, 0.4145

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.3720, 0.3411, 0.3614

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.3349, 0.3917, 0.4145 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(252, 223, 139)` looks like.

```
.text, #text, p{  
    color:rgb(252, 223, 139)  
}
```

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(252, 223, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 223, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 75.3349, 0.3917, 0.4145 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(252, 223, 139) }
```

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

```
.border{ border-color:rgb(252, 223, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 223, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 223, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 223, 139);  
box-shadow:4px 4px 4px 4px rgb(252, 223,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.3349, 0.3917, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 223, 139) }
```

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

```
.background{ background-color: rgb(252,  
223, 139) }
```

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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