

# Converting Colors

$Y_{xy}(73.4366, 0.3869, 0.3950)$

Have a look what the booklet for  
Yxy(73.4366, 0.3869, 0.3950)  
contains.

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# Color

**Yxy(73.1856, 0.3871, 0.3946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD999
RGB	255, 217, 153
RGB Percent	100%, 85%, 60%
CMY	0.0001, 0.1489, 0.3999
CMYK	0.00, 0.15, 0.40, 0.00
HSL	38°, 100%, 80%
HSV	38°, 40%, 100%
XYZ	71.7946, 73.1856, 40.4876
YIQ	221.0660, 43.1920, -11.8480

# Conversions

## Conversions Part 2

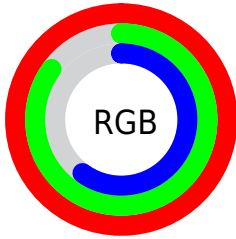
Format	Color
<a href="#">RYB</a>	<a href="#">214, 255, 153</a>
Decimal	<a href="#">16767385</a>
CIELab	<a href="#">88.54, 4.77, 36.42</a>
CIElCh	<a href="#">89, 36.727, 82.533</a>
Yxy	<a href="#">73.1856, 0.3871, 0.3946</a>
Android (android.graphics.Color)	<a href="#">4294957465</a> (0xFFFFD999)
YUV	<a href="#">221.0660, -33.5565, 29.7601</a>
Hunter-Lab	<a href="#">85.5486, 0.0918, 31.8238</a>

# Details

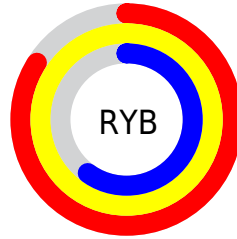
The Yxy color **73.1856, 0.3871, 0.3946** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.2405, 0.2455, 0.2525**, and the grayscale version is **72.5735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **38.6506, 0.4044, 0.4081** is the 20% darker color. If you saturate the color by 10%, you get **67.6809, 0.4093, 0.4102**, and if you desaturate by 10%, it is **79.1585, 0.3660, 0.3780**.

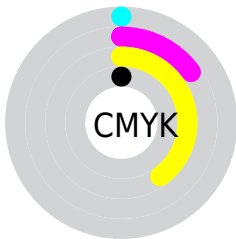
# Distribution



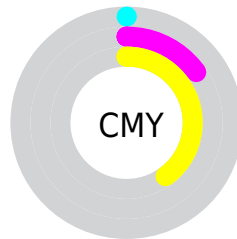
- Red (100%)
- Green (85%)
- Blue (60%)



- Red (84%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (15%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (15%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1856, 0.3871, 0.3946 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 73.1856, 0.3871, 0.3946 by changing the saturation by 10% instead.




 73.1856, 0.3871,  
0.3946


 73.1856, 0.3871,  
0.3946

471.6578, 0.3531,  
0.3652

 54.1277, 0.3946,  
0.4009


 123.7407, 0.3755,  
0.3847

 38.7038, 0.4037,  
0.4085


 156.0066, 0.3709,  
0.3807

 26.5294, 0.4149,  
0.4177


193.4441, 0.3669,  
0.3773

 17.2201, 0.4290,  
0.4289

236.4375, 0.3635,  
0.3743

 10.3915, 0.4467,  
0.4425

285.3712, 0.3604,  
0.3716

 5.6593, 0.4691,  
0.4585

340.6295, 0.3577,

 2.6391, 0.5110,

0.3693

0.4890

402.5969, 0.3553,  
0.3671

0.9463, 0.5204,  
0.4796

0.0000, 0.0000,  
0.0000

73.1856, 0.3871,  
0.3946

73.1856, 0.3871,  
0.3946

67.6809, 0.4093,  
0.4102

79.1585, 0.3660,  
0.3780

62.6180, 0.4320,  
0.4238

85.6045, 0.3464,  
0.3611

57.9825, 0.4541,  
0.4341

92.5413, 0.3287,  
0.3447

53.7547, 0.4744,  
0.4400

99.9817, 0.3127,  
0.3290

■ 49.9120, 0.4918, 99.9935, 0.3127,  
0.4407 0.3290

■ 46.4203, 0.5059,  
0.4365

■ 46.4148, 0.5060,  
0.4365

# Harmonies

## Analogous

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



73.1856, 0.4010, 0.3649



73.1856, 0.3871, 0.3946



73.1856, 0.3532, 0.4087

# Triad

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



73.1856, 0.3871, 0.3946



73.1856, 0.2412, 0.3209



73.1856, 0.3106, 0.2708

# Complementary

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



73.1856, 0.3871, 0.3946



51.2405, 0.2455, 0.2525

# 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.



73.1856, 0.2694, 0.2585



73.1856, 0.3871, 0.3946



73.1856, 0.2316, 0.2838

# Square

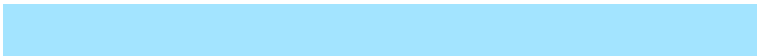
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.1856, 0.3871, 0.3946



73.1856, 0.2691, 0.3646



73.1856, 0.2415, 0.2623



73.1856, 0.3553, 0.2961

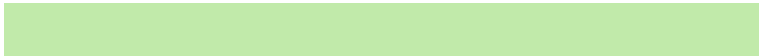


# Rectangle

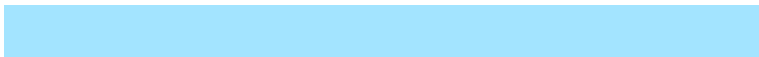
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.1856, 0.3871, 0.3946



73.1856, 0.3246, 0.4048



73.1856, 0.2415, 0.2623



73.1856, 0.2959, 0.2650

# Sweetspot

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



73.1890, 0.3871, 0.3946



91.1301, 0.3321, 0.3479



47.8532, 0.3746, 0.2885



19.3083, 0.3344, 0.3501



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.



73.1890, 0.3871, 0.3946



68.7583, 0.4049, 0.4073



92.8664, 0.3646, 0.4314



19.8875, 0.3278, 0.3439



24.5558, 0.5042, 0.4379



2.6005, 0.4919, 0.4476



# Inverse Universe

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



51.2405, 0.2455, 0.2525



44.0795, 0.2314, 0.2338



37.9975, 0.2463, 0.2082



18.4853, 0.2979, 0.3137



8.3035, 0.1661, 0.1179



1.0095, 0.1723, 0.1404



# Previews

## White Background



This preview shows how the Yxy color 73.1856, 0.3871, 0.3946 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

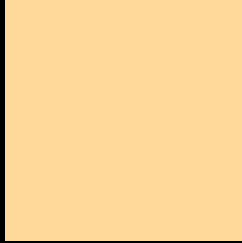
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.1856, 0.3871, 0.3946 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 73.1856, 0.3871, 0.3946**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.1856, 0.3871, 0.3946.



This preview shows how white text looks on a background with the Yxy color 73.1856, 0.3871, 0.3946.

# 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

73.1856, 0.3871, 0.3946

### Protanopia

73.1344, 0.3721, 0.4004

### Deuteranopia

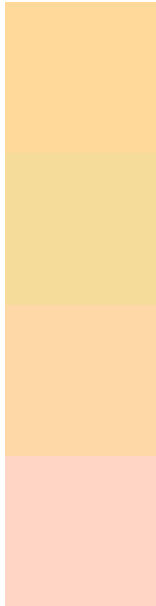
72.9560, 0.3719, 0.3703



## Tritanopia

73.2303, 0.3365, 0.3160

# Trichromacy



**Original Color**

73.1856, 0.3871, 0.3946

**Protanomaly**

72.9320, 0.3775, 0.3985

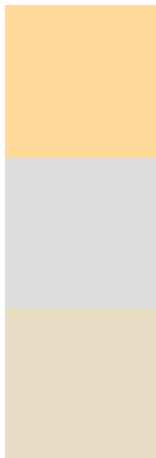
**Deuteranomaly**

73.1618, 0.3775, 0.3795

**Tritanomaly**

72.9257, 0.3554, 0.3445

# Monochromacy



**Original Color**

73.1856, 0.3871, 0.3946

**Achromatopsia**

72.3055, 0.3127, 0.3290

**Achromatomaly**

72.4956, 0.3386, 0.3550

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.1856, 0.3871, 0.3946 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, 217, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 153)  
}
```

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, 217, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 73.1856, 0.3871, 0.3946 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, 217, 153) }
```

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

```
.border{ border-color:rgb(255, 217, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.1856, 0.3871, 0.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 153) }
```

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

```
.background{ background-color: rgb(255,  
217, 153) }
```

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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