

# Converting Colors

Yxy(73.6946, 0.3804, 0.4310)

Have a look what the booklet for  
Yxy(73.6946, 0.3804, 0.4310)  
contains.

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# Color

**Yxy(73.9005, 0.3803, 0.4312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E383
RGB	233, 227, 131
RGB Percent	91%, 89%, 51%
CMY	0.0862, 0.1098, 0.4862
CMYK	0.00, 0.03, 0.44, 0.09
HSL	56°, 70%, 71%
HSV	56°, 44%, 91%
XYZ	65.1771, 73.9005, 32.3058
YIQ	217.8500, 34.3920, -28.5840

# Conversions

## Conversions Part 2

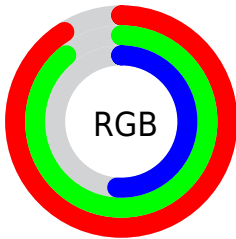
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">137, 233, 131</a>
Decimal	<a href="#">15328131</a>
CIELab	<a href="#">88.88, -11.13, 47.43</a>
CIElCh	<a href="#">89, 48.715, 103.212</a>
Yxy	<a href="#">73.9005, 0.3803, 0.4312</a>
Android (android.graphics.Color)	<a href="#">4293518211 (0xFFE9E383)</a>
YUV	<a href="#">217.8500, -42.8170, 13.2866</a>
Hunter-Lab	<a href="#">85.9654, -15.1047, 37.8946</a>

# Details

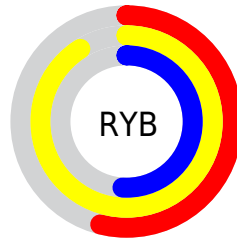
The Yxy color **73.9005, 0.3803, 0.4312** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **28.6146, 0.2317, 0.2008**, and the grayscale version is **70.2901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3252, 0.3538, 0.3969**, and **39.2997, 0.3936, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **72.5911, 0.3943, 0.4515**, and if you desaturate by 10%, it is **75.3648, 0.3651, 0.4087**.

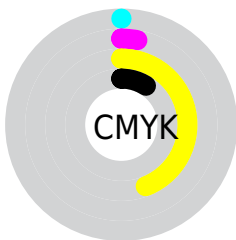
# Distribution



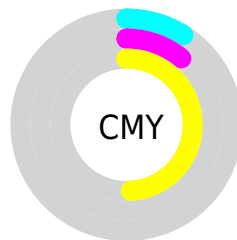
- Red (91%)
- Green (89%)
- Blue (51%)



- Red (54%)
- Yellow (91%)
- Blue (51%)



- Cyan (0%)
- Magenta (3%)
- Yellow (44%)
- Black (9%)




- Cyan (9%)
- Magenta (11%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9005, 0.3803, 0.4312 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 73.9005, 0.3803, 0.4312 by changing the saturation by 10% instead.




 73.9005, 0.3803,  
0.4312


 73.9005, 0.3803,  
0.4312


474.1299, 0.3508,  
0.3842


 54.7126, 0.3863,  
0.4415


 124.7548, 0.3706,  
0.4151

 39.1717, 0.3933,  
0.4540


 157.1899, 0.3667,  
0.4088

 26.8933, 0.4014,  
0.4692


 194.8096, 0.3632,  
0.4033

 17.4931, 0.4105,  
0.4879

237.9982, 0.3601,  
0.3985

 10.5867, 0.4202,  
0.5108

287.1401, 0.3574,  
0.3943

 5.7896, 0.4362,  
0.5482

342.6198, 0.3550,

 2.7176, 0.4300,

0.3905

0.5700

404.8216, 0.3528,  
0.3872

■ 0.9861, 0.4017,  
0.5983

■ 0.0000, 0.0000,  
0.0000

■ 73.9005, 0.3803,  
0.4312

■ 73.9005, 0.3803,  
0.4312

■ 72.5911, 0.3943,  
0.4515

■ 75.3648, 0.3651,  
0.4087

■ 71.4167, 0.4066,  
0.4687


■ 76.9827, 0.3493,  
0.3851


■ 70.3699, 0.4165,  
0.4820


■ 78.7654, 0.3336,  
0.3611


■ 69.4382, 0.4238,  
0.4909

■ 80.7206, 0.3183,  
0.3376


 68.6062, 0.4284,  
0.4954


 82.8551, 0.3038,  
0.3151

 68.1241, 0.4302,  
0.4966

 84.1139, 0.2993,  
0.3091

 84.9067, 0.2993,  
0.3105

 85.7056, 0.2993,  
0.3119

 86.5106, 0.2993,  
0.3133

# Harmonies

## Analogous

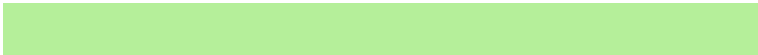
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.9005, 0.4190, 0.4021



73.9005, 0.3803, 0.4312



73.9005, 0.3255, 0.4310

# Triad

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



73.9005, 0.3803, 0.4312



73.9005, 0.2093, 0.2815



73.9005, 0.3506, 0.2748

# Complementary

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



73.9005, 0.3803, 0.4312



28.6146, 0.2317, 0.2008

# 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.



73.9005, 0.2912, 0.2475



73.9005, 0.3803, 0.4312



73.9005, 0.2144, 0.2480

# Square

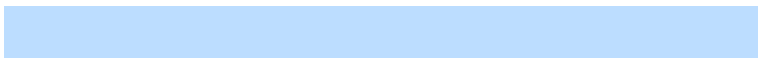
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.9005, 0.3803, 0.4312



73.9005, 0.2284, 0.3351



73.9005, 0.2427, 0.2374



73.9005, 0.4029, 0.3143



# Rectangle

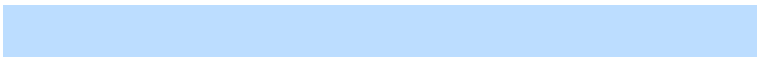
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.9005, 0.3803, 0.4312



73.9005, 0.2876, 0.4098



73.9005, 0.2427, 0.2374



73.9005, 0.3306, 0.2640

# Sweetspot

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



73.9039, 0.3803, 0.4312



96.8023, 0.3325, 0.3594



35.3940, 0.4207, 0.3216



20.6113, 0.3359, 0.3647



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.



73.9039, 0.3803, 0.4312



89.1419, 0.3937, 0.4506



70.7276, 0.3447, 0.4500



17.4655, 0.3269, 0.3509



38.7108, 0.4300, 0.4968



3.0862, 0.4284, 0.4981



# Inverse Universe

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



28.6146, 0.2317, 0.2008



26.5982, 0.2118, 0.1683



31.2604, 0.2654, 0.2045



14.6917, 0.2980, 0.3061



3.5708, 0.1511, 0.0637

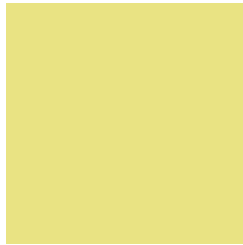


0.3308, 0.1538, 0.0738



# Previews

## White Background



This preview shows how the Yxy color 73.9005, 0.3803, 0.4312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

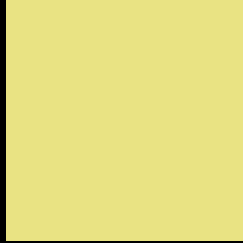
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.9005, 0.3803, 0.4312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

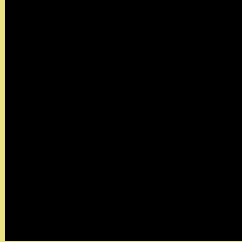
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.9005, 0.3803, 0.4312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.9005, 0.3803, 0.4312.



This preview shows how white text looks on a background with the Yxy color 73.9005, 0.3803, 0.4312.

# 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

73.9005, 0.3803, 0.4312

### Protanopia

73.7995, 0.3920, 0.4250

### Deuteranopia

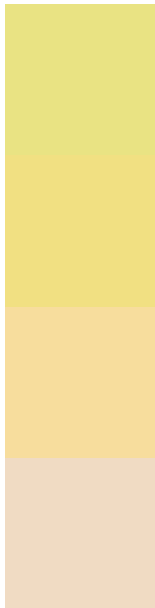
73.8643, 0.3735, 0.3754



## Tritanopia

73.6602, 0.3223, 0.3116

# Trichromacy



## Original Color

73.9005, 0.3803, 0.4312

## Protanomaly

73.6238, 0.3884, 0.4271

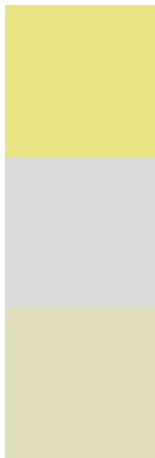
## Deuteranomaly

73.9214, 0.3766, 0.3960

## Tritanomaly

73.1284, 0.3448, 0.3546

# Monochromacy



## Original Color

73.9005, 0.3803, 0.4312

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.9460, 0.3379, 0.3680

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.9005, 0.3803, 0.4312 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(233, 227, 131)` looks like.

```
.text, #text, p{  
    color:rgb(233, 227, 131)  
}
```

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(233, 227, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 227, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 73.9005, 0.3803, 0.4312 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(233, 227, 131) }
```

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

```
.border{ border-color:rgb(233, 227, 131) }
```

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

Here you see how a box with a 4 pixel rgb(233, 227, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 227, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 227, 131);  
box-shadow:4px 4px 4px 4px rgb(233, 227,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.9005, 0.3803, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 227, 131) }
```

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

```
.background{ background-color: rgb(233,  
227, 131) }
```

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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