

# Converting Colors

$Yxy(71.1043, 0.3871, 0.4278)$

Have a look what the booklet for  
Yxy(71.1043, 0.3871, 0.4278)  
contains.

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# **Color**

**Yxy(71.1043, 0.3871, 0.4278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECDD80
RGB	236, 221, 128
RGB Percent	93%, 87%, 50%
CMY	0.0746, 0.1333, 0.4979
CMYK	0.00, 0.06, 0.46, 0.07
HSL	52°, 74%, 71%
HSV	52°, 46%, 93%
XYZ	64.3396, 71.1043, 30.7653
YIQ	214.8830, 38.7930, -25.7430

# Conversions

## Conversions Part 2

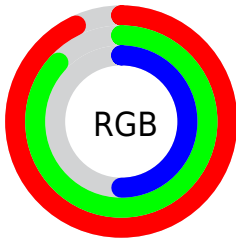
Format	Color
<a href="#">RYB</a>	145, 236, 128
Decimal	15523200
CIELab	87.54, -7.26, 47.27
CIELCh	88, 47.824, 98.726
Yxy	71.1043, 0.3871, 0.4278
Android (android.graphics.Color)	4293713280 (0xFFECDD80)
YUV	214.8830, -42.8333, 18.5196
Hunter-Lab	84.3234, -11.3686, 37.3944

# Details

The Yxy color **71.1043, 0.3871, 0.4278** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **30.2880, 0.2295, 0.2053**, and the grayscale version is **68.1490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **37.2592, 0.4020, 0.4498** is the 20% darker color. If you saturate the color by 10%, you get **68.8463, 0.4028, 0.4465**, and if you desaturate by 10%, it is **73.5470, 0.3705, 0.4070**.

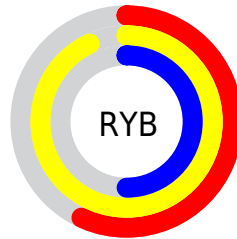
# Distribution



Red (93%)

Green (87%)

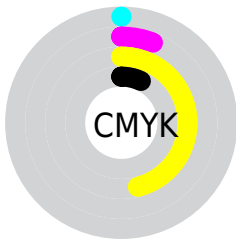
Blue (50%)



Red (57%)

Yellow (93%)

Blue (50%)

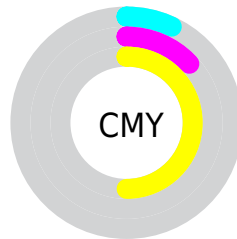


Cyan (0%)

Magenta (6%)

Yellow (46%)

Black (7%)



Cyan (7%)

Magenta (13%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1043, 0.3871, 0.4278 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 71.1043, 0.3871, 0.4278 by changing the saturation by 10% instead.




 71.1043, 0.3871,  
0.4278


 71.1043, 0.3871,  
0.4278


464.4180, 0.3541,  
0.3825

 52.4273, 0.3940,  
0.4377


 120.7822, 0.3761,  
0.4124

 37.3458, 0.4020,  
0.4496


 152.5520, 0.3717,  
0.4063

 25.4753, 0.4114,  
0.4640


 189.4547, 0.3679,  
0.4010

 16.4316, 0.4222,  
0.4815

231.8749, 0.3645,  
0.3963

 9.8300, 0.4340,  
0.5025

280.1970, 0.3614,  
0.3923

 5.2864, 0.4572,  
0.5414

334.8052, 0.3587,

 2.4163, 0.4489,

0.3886

0.5511

396.0841, 0.3563,  
0.3854

0.8342, 0.4247,  
0.5753

0.0000, 0.0000,  
0.0000

71.1043, 0.3871,  
0.4278

71.1043, 0.3871,  
0.4278

68.8463, 0.4028,  
0.4465

73.5470, 0.3705,  
0.4070

66.7528, 0.4170,  
0.4621


76.1739, 0.3537,  
0.3851

64.8155, 0.4289,  
0.4738


78.9969, 0.3372,  
0.3629

63.0206, 0.4380,  
0.4809

82.0240, 0.3214,  
0.3411


 61.3516, 0.4444,  
0.4835

 85.2627, 0.3065,  
0.3203

 60.6680, 0.4465,  
0.4837

 87.7427, 0.3012,  
0.3147

 89.6923, 0.3012,  
0.3180

 91.6768, 0.3011,  
0.3212

 93.6964, 0.3011,  
0.3245

# Harmonies

## Analogous

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



71.1043, 0.4219, 0.3959



71.1043, 0.3871, 0.4278



71.1043, 0.3340, 0.4328

# Triad

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



71.1043, 0.3871, 0.4278



71.1043, 0.2111, 0.2886



71.1043, 0.3415, 0.2701

# Complementary

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



71.1043, 0.3871, 0.4278



30.2880, 0.2295, 0.2053

# 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.



71.1043, 0.2831, 0.2452



71.1043, 0.3871, 0.4278



71.1043, 0.2126, 0.2520

# Square

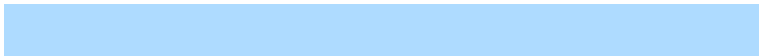
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.1043, 0.3871, 0.4278



71.1043, 0.2337, 0.3441



71.1043, 0.2375, 0.2381



71.1043, 0.3959, 0.3080



# Rectangle

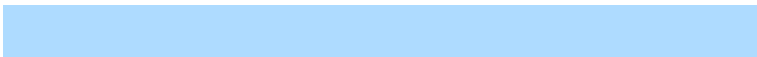
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.1043, 0.3871, 0.4278



71.1043, 0.2960, 0.4154



71.1043, 0.2375, 0.2381



71.1043, 0.3215, 0.2600

# Sweetspot

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



71.1076, 0.3871, 0.4278



94.7942, 0.3344, 0.3592



35.2950, 0.4175, 0.3111



20.1275, 0.3379, 0.3639



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.



71.1076, 0.3871, 0.4278



82.2320, 0.4021, 0.4456



73.5664, 0.3524, 0.4530



17.2503, 0.3271, 0.3491



33.5932, 0.4460, 0.4841



2.7360, 0.4417, 0.4875



# Inverse Universe

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



30.2880, 0.2295, 0.2053



27.9496, 0.2105, 0.1749



29.5875, 0.2550, 0.1958



14.8855, 0.2980, 0.3081



4.0374, 0.1531, 0.0711

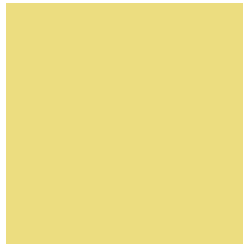


0.4232, 0.1587, 0.0913



# Previews

## White Background



This preview shows how the Yxy color 71.1043, 0.3871, 0.4278 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 71.1043, 0.3871, 0.4278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

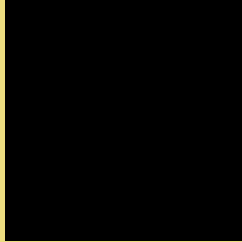
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.1043, 0.3871, 0.4278**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1043, 0.3871, 0.4278.



This preview shows how white text looks on a background with the Yxy color 71.1043, 0.3871, 0.4278.

# 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

71.1043, 0.3871, 0.4278

### Protanopia

70.7206, 0.3919, 0.4257

### Deuteranopia

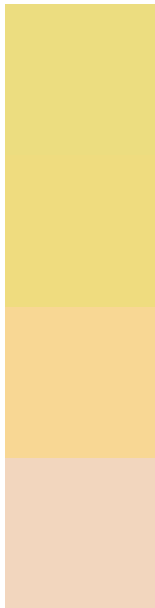
70.8850, 0.3841, 0.3827



## Tritanopia

71.1770, 0.3284, 0.3126

# Trichromacy



## Original Color

71.1043, 0.3871, 0.4278

## Protanomaly

71.0694, 0.3906, 0.4269

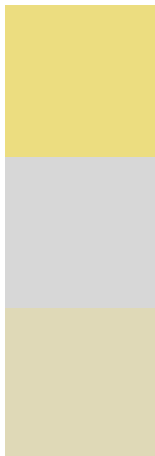
## Deuteranomaly

70.6955, 0.3860, 0.3992

## Tritanomaly

70.6881, 0.3510, 0.3546

# Monochromacy



## Original Color

71.1043, 0.3871, 0.4278

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.7326, 0.3407, 0.3671

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1043, 0.3871, 0.4278 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(236, 221, 128)` looks like.

```
.text, #text, p{  
    color:rgb(236, 221, 128)  
}
```

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(236, 221, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 221, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1043, 0.3871, 0.4278 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(236, 221, 128) }
```

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

```
.border{ border-color:rgb(236, 221, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 221, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 221, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 221, 128); box-shadow:4px 4px 4px 4px rgb(236, 221, 128) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1043, 0.3871, 0.4278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 221, 128) }
```

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

```
.background{ background-color: rgb(236,  
221, 128) }
```

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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