

# Converting Colors

Yxy(71.6140, 0.3809, 0.4319)

Have a look what the booklet for  
Yxy(71.6140, 0.3809, 0.4319)  
contains.

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# Color

**Yxy(71.6928, 0.3811, 0.4324)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | E6E080                      |
| RGB         | 230, 224, 128               |
| RGB Percent | 90%, 88%, 50%               |
| CMY         | 0.0980, 0.1216, 0.4981      |
| CMYK        | 0.00, 0.03, 0.44, 0.10      |
| HSL         | 56°, 67%, 70%               |
| HSV         | 56°, 44%, 90%               |
| XYZ         | 63.1872, 71.6928, 30.9221   |
| YIQ         | 214.8500, 34.3920, -28.5840 |

# Conversions

## Conversions Part 2

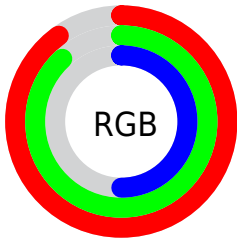
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 134, 230, 128                  |
| Decimal                             | 15130752                       |
| CIELab                              | 87.82, -11.12, 47.54           |
| CIELCh                              | 88, 48.822, 103.166            |
| Yxy                                 | 71.6928, 0.3811,<br>0.4324     |
| Android<br>(android.graphics.Color) | 4293320832<br>(0xFFE6E080)     |
| YUV                                 | 214.8500, -42.8170,<br>13.2866 |
| Hunter-Lab                          | 84.6716, -14.9676,<br>37.6174  |

# Details

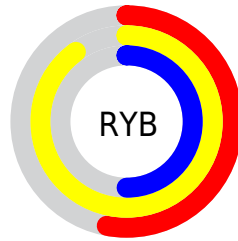
The Yxy color **71.6928, 0.3811, 0.4324** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.3493, 0.2305, 0.1988**, and the grayscale version is **68.1278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **37.7820, 0.3947, 0.4557** is the 20% darker color. If you saturate the color by 10%, you get **70.4321, 0.3951, 0.4526**, and if you desaturate by 10%, it is **73.1031, 0.3659, 0.4100**.

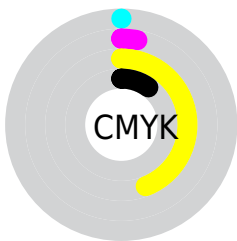
# Distribution



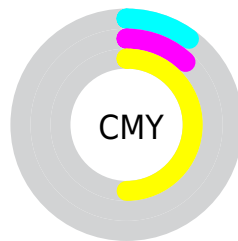
- Red (90%)
- Green (88%)
- Blue (50%)



- Red (53%)
- Yellow (90%)
- Blue (50%)



- Cyan (0%)
- Magenta (3%)
- Yellow (44%)
- Black (10%)




- Cyan (10%)
- Magenta (12%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6928, 0.3811, 0.4324 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 71.6928, 0.3811, 0.4324 by changing the saturation by 10% instead.





 71.6928, 0.3811,  
0.4324

 71.6928, 0.3811,  
0.4324

466.4716, 0.3511,  
0.3846


 52.9078, 0.3872,  
0.4430


 121.6197, 0.3712,  
0.4160

 37.7291, 0.3944,  
0.4557


 153.5303, 0.3672,  
0.4096

 25.7725, 0.4026,  
0.4713


 190.5849, 0.3637,  
0.4040

 16.6536, 0.4118,  
0.4904

233.1679, 0.3606,  
0.3991

 9.9878, 0.4214,  
0.5137

281.6637, 0.3578,  
0.3948

 5.3909, 0.4407,  
0.5562

336.4566, 0.3554,

 2.4784, 0.4283,

0.3910

0.5717

397.9312, 0.3531,  
0.3876

0.8658, 0.3891,  
0.6109

0.0000, 0.0000,  
0.0000

71.6928, 0.3811,  
0.4324

71.6928, 0.3811,  
0.4324

70.4321, 0.3951,  
0.4526

73.1031, 0.3659,  
0.4100

69.3018, 0.4072,  
0.4696


74.6618, 0.3502,  
0.3864


68.2946, 0.4170,  
0.4826

76.3799, 0.3345,  
0.3625


67.3981, 0.4241,  
0.4913


78.2647, 0.3192,  
0.3390


 66.5975, 0.4285,  
0.4956


 80.3231, 0.3046,  
0.3164

 66.1749, 0.4301,  
0.4967

 81.8333, 0.2974,  
0.3058

 82.5997, 0.2974,  
0.3072

 83.3719, 0.2974,  
0.3086

 84.1501, 0.2974,  
0.3100

# Harmonies

## Analogous

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



71.6928, 0.4203, 0.4028



71.6928, 0.3811, 0.4324



71.6928, 0.3256, 0.4324

# Triad

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



71.6928, 0.3811, 0.4324



71.6928, 0.2082, 0.2809



71.6928, 0.3510, 0.2741

# Complementary

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



71.6928, 0.3811, 0.4324



27.3493, 0.2305, 0.1988

# 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.



71.6928, 0.2908, 0.2465



71.6928, 0.3811, 0.4324



71.6928, 0.2133, 0.2471

# Square

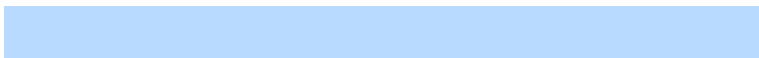
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.6928, 0.3811, 0.4324



71.6928, 0.2275, 0.3352



71.6928, 0.2419, 0.2364



71.6928, 0.4040, 0.3140



# Rectangle

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



71.6928, 0.3811, 0.4324



71.6928, 0.2873, 0.4110



71.6928, 0.2419, 0.2364



71.6928, 0.3306, 0.2633

# Sweetspot

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



71.6961, 0.3811, 0.4324



96.8062, 0.3325, 0.3594



34.0016, 0.4228, 0.3215



20.6123, 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.



71.6961, 0.3811, 0.4324



89.1574, 0.3936, 0.4506



68.5731, 0.3450, 0.4516



16.6640, 0.3269, 0.3509



37.5238, 0.4300, 0.4968



2.8174, 0.4283, 0.4982



# Inverse Universe

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



27.3493, 0.2305, 0.1988



26.5916, 0.2118, 0.1683



29.9398, 0.2646, 0.2029



14.0227, 0.2980, 0.3061



3.4628, 0.1511, 0.0638

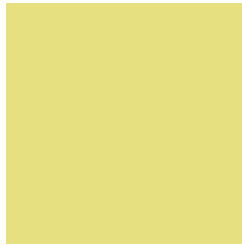


0.3042, 0.1540, 0.0744



# Previews

## White Background



This preview shows how the Yxy color 71.6928, 0.3811, 0.4324 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 71.6928, 0.3811, 0.4324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

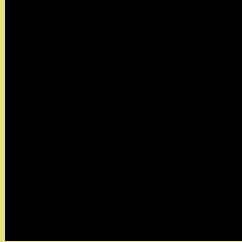
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.6928, 0.3811, 0.4324**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.6928, 0.3811, 0.4324.



This preview shows how white text looks on a background with the Yxy color 71.6928, 0.3811, 0.4324.

# 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

71.6928, 0.3811, 0.4324

### Protanopia

71.4195, 0.3922, 0.4263

### Deuteranopia

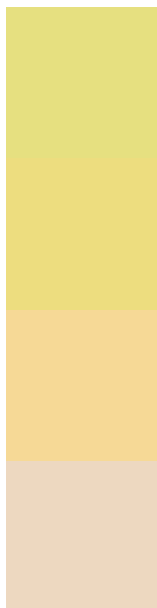
71.4571, 0.3822, 0.3817



## Tritanopia

71.4449, 0.3224, 0.3114

# Trichromacy



## Original Color

71.6928, 0.3811, 0.4324

## Protanomaly

71.2497, 0.3886, 0.4285

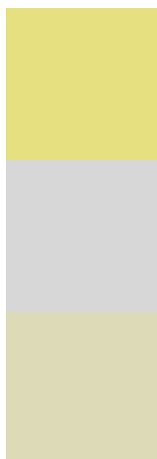
## Deuteranomaly

71.4205, 0.3822, 0.3995

## Tritanomaly

70.9220, 0.3453, 0.3549

# Monochromacy



## Original Color

71.6928, 0.3811, 0.4324

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.7773, 0.3382, 0.3685

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  71.6928, 0.3811, 0.4324 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(230, 224, 128)` looks like.

```
.text, #text, p{  
    color:rgb(230, 224, 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(230, 224, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 224, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 71.6928, 0.3811, 0.4324 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(230, 224, 128) }
```

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

```
.border{ border-color:rgb(230, 224, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 224, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 224, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 224, 128);  
box-shadow:4px 4px 4px 4px rgb(230, 224,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.6928, 0.3811, 0.4324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 224, 128) }
```

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

```
.background{ background-color: rgb(230,  
224, 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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