

# Converting Colors

$Y_{xy}(70.5979, 0.4039, 0.4770)$

Have a look what the booklet for  
Yxy(70.5979, 0.4039, 0.4770)  
contains.

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**Color**

**Yxy(70.5692, 0.4034, 0.4771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E14E
RGB	226, 225, 78
RGB Percent	89%, 88%, 31%
CMY	0.1136, 0.1176, 0.6943
CMYK	0.00, 0.00, 0.66, 0.11
HSL	60°, 72%, 60%
HSV	60°, 66%, 89%
XYZ	59.6680, 70.5692, 17.6756
YIQ	208.5410, 47.7830, -45.5050

# Conversions

## Conversions Part 2

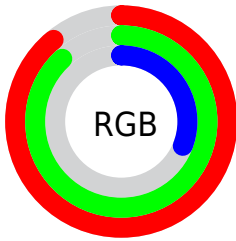
<b>Format</b>	<b>Color</b>
<b>RYB</b>	79, 226, 78
Decimal	14868814
CIELab	87.28, -17.03, 68.96
CIELCh	87, 71.029, 103.870
Yxy	70.5692, 0.4034, 0.4771
Android (android.graphics.Color)	4293058894 (0xFFE2E14E)
YUV	208.5410, -64.3567, 15.3115
Hunter-Lab	84.0055, -20.2233, 46.3286

# Details

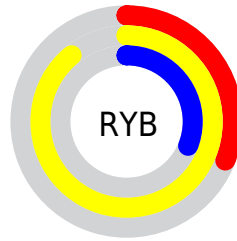
The Yxy color **70.5692, 0.4034, 0.4771** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **12.6991, 0.1860, 0.1201**, and the grayscale version is **63.8505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5012, 0.3829, 0.4451**, and **36.9737, 0.4158, 0.5068** is the 20% darker color. If you saturate the color by 10%, you get **70.2181, 0.4115, 0.4901**, and if you desaturate by 10%, it is **71.0382, 0.3929, 0.4600**.

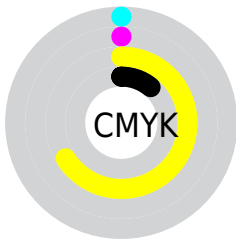
# Distribution



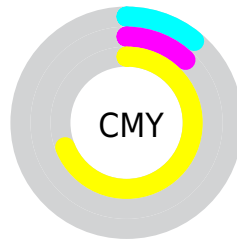
- Red (89%)
- Green (88%)
- Blue (31%)



- Red (31%)
- Yellow (89%)
- Blue (31%)



- Cyan (0%)
- Magenta (0%)
- Yellow (66%)
- Black (11%)



- Cyan (11%)
- Magenta (12%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5692, 0.4034, 0.4771 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 70.5692, 0.4034, 0.4771 by changing the saturation by 10% instead.




 70.5692, 0.4034,  
0.4771


 70.5692, 0.4034,  
0.4771


462.5460, 0.3667,  
0.4104


 51.9907, 0.4097,  
0.4908


 120.0201, 0.3922,  
0.4550

 36.9977, 0.4161,  
0.5065


 151.6613, 0.3874,  
0.4461

 25.2057, 0.4221,  
0.5244


 188.4256, 0.3830,  
0.4382

 16.2304, 0.4263,  
0.5442

 230.6972, 0.3791,  
0.4313

 9.6873, 0.4300,  
0.5700

 278.8607, 0.3755,  
0.4252

 5.1921, 0.4163,  
0.5837


333.3004, 0.3723,


 2.3604, 0.3941,


0.4197


0.6059


394.4007, 0.3693,  
0.4148


 0.8054, 0.3028,  
0.6972


 0.0000, 0.0000,  
0.0000


 70.5692, 0.4034,  
0.4771


 70.5692, 0.4034,  
0.4771


 70.2181, 0.4115,  
0.4901


 71.0382, 0.3929,  
0.4600

 69.9632, 0.4169,  
0.4987


 71.6257, 0.3803,  
0.4396

 69.7931, 0.4198,  
0.5031


 72.3439, 0.3662,  
0.4166


 69.7331, 0.4205,  
0.5043


 73.2012, 0.3512,  
0.3921

 74.2051, 0.3360,  
0.3671

 75.3626, 0.3208,  
0.3423

 76.6804, 0.3062,  
0.3184

 77.9189, 0.2947,  
0.2994

 78.0037, 0.2947,  
0.2996

# Harmonies

## Analogous

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



70.5692, 0.4630, 0.4277



70.5692, 0.4034, 0.4771



70.5692, 0.3242, 0.4849

# Triad

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



70.5692, 0.4034, 0.4771



70.5692, 0.1679, 0.2549



70.5692, 0.3691, 0.2531

# Complementary

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



70.5692, 0.4034, 0.4771



12.6991, 0.1860, 0.1201

# 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.



70.5692, 0.2814, 0.2162



70.5692, 0.4034, 0.4771



70.5692, 0.1761, 0.2123

# Square

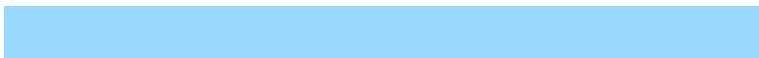
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.5692, 0.4034, 0.4771



70.5692, 0.1909, 0.3327



70.5692, 0.2140, 0.2012



70.5692, 0.4478, 0.3059



# Rectangle

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



70.5692, 0.4034, 0.4771



70.5692, 0.2708, 0.4530



70.5692, 0.2140, 0.2012



70.5692, 0.3390, 0.2387

# Sweetspot

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



70.5725, 0.4034, 0.4771



96.9157, 0.3430, 0.3787



22.2006, 0.5241, 0.3272



20.6653, 0.3474, 0.3858



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.



70.5725, 0.4034, 0.4771



92.1600, 0.4140, 0.4941



61.8685, 0.3476, 0.5122



16.0125, 0.3267, 0.3520



39.7824, 0.4205, 0.5043



2.7628, 0.4203, 0.5045



# Inverse Universe

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



12.6991, 0.1860, 0.1201



10.7183, 0.1644, 0.0843



17.3739, 0.2410, 0.1447



13.2583, 0.2980, 0.3049



3.1589, 0.1501, 0.0605

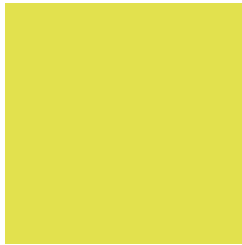


0.2244, 0.1505, 0.0618



# Previews

## White Background



This preview shows how the Yxy color 70.5692, 0.4034, 0.4771 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 70.5692, 0.4034, 0.4771 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 70.5692, 0.4034, 0.4771**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.5692, 0.4034, 0.4771.



This preview shows how white text looks on a background with the Yxy color 70.5692, 0.4034, 0.4771.

# 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

70.5692, 0.4034, 0.4771

### Protanopia

70.4179, 0.4223, 0.4650

### Deuteranopia

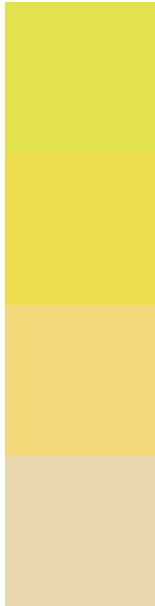
70.5169, 0.3921, 0.3938



## Tritanopia

70.1645, 0.3232, 0.3113

# Trichromacy



## Original Color

70.5692, 0.4034, 0.4771

## Protanomaly

70.2532, 0.4150, 0.4694

## Deuteranomaly

70.2889, 0.3986, 0.4264

## Tritanomaly

69.2802, 0.3577, 0.3749

# Monochromacy



## Original Color

70.5692, 0.4034, 0.4771

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

65.6212, 0.3504, 0.3914

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.5692, 0.4034, 0.4771 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(226, 225, 78)` looks like.

```
.text, #text, p{  
    color:rgb(226, 225, 78)  
}
```

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(226, 225, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 225, 78) }
```

## Border

The CSS property to change the border of an element to Yxy 70.5692, 0.4034, 0.4771 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(226, 225, 78) }
```

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

```
.border{ border-color:rgb(226, 225, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 225, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 225, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 225, 78);  
box-shadow:4px 4px 4px 4px rgb(226, 225,  
78) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.5692, 0.4034, 0.4771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 225, 78) }
```

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

```
.background{ background-color: rgb(226,  
225, 78) }
```

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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