

# Converting Colors

$Yxy(69.6496, 0.4008, 0.4780)$

Have a look what the booklet for  
Yxy(69.6496, 0.4008, 0.4780)  
contains.

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# Color

**Yxy(69.3910, 0.4008, 0.4783)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEE04E
RGB	222, 224, 78
RGB Percent	87%, 88%, 31%
CMY	0.1296, 0.1215, 0.6940
CMYK	0.01, 0.00, 0.65, 0.12
HSL	61°, 70%, 59%
HSV	61°, 65%, 88%
XYZ	58.1474, 69.3910, 17.5400
YIQ	206.7580, 45.6740, -45.8300

# Conversions

## Conversions Part 2

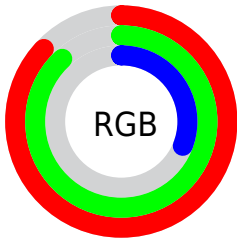
<b>Format</b>	<b>Color</b>
<b>RYB</b>	78, 224, 80
Decimal	14606414
CIELab	86.70, -18.20, 68.24
CIELCh	87, 70.628, 104.936
Yxy	69.3910, 0.4008, 0.4783
Android (android.graphics.Color)	4292796494 (0xFFDEE04E)
YUV	206.7580, -63.4777, 13.3672
Hunter-Lab	83.3013, -21.1775, 45.8267

# Details

The Yxy color **69.3910, 0.4008, 0.4783** 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 **12.5432, 0.1875, 0.1206**, and the grayscale version is **62.6273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5012, 0.3829, 0.4451**, and **36.2794, 0.4135, 0.5082** is the 20% darker color. If you saturate the color by 10%, you get **69.0760, 0.4085, 0.4918**, and if you desaturate by 10%, it is **69.8219, 0.3906, 0.4608**.

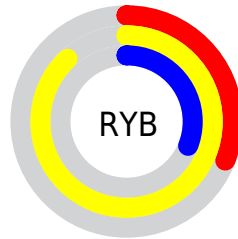
# Distribution



Red (87%)

Green (88%)

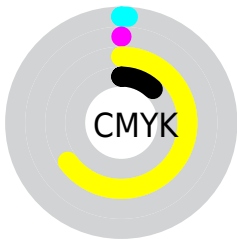
Blue (31%)



Red (31%)

Yellow (88%)

Blue (31%)

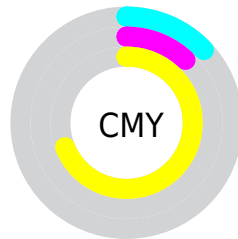


Cyan (1%)

Magenta (0%)

Yellow (65%)

Black (12%)



Cyan (13%)

Magenta (12%)


Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3910, 0.4008, 0.4783 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 69.3910, 0.4008, 0.4783 by changing the saturation by 10% instead.





 69.3910, 0.4008,  
0.4783

 69.3910, 0.4008,  
0.4783


458.4088, 0.3651,  
0.4106


 51.0302, 0.4068,  
0.4923

 118.3399, 0.3900,  
0.4558

 36.2326, 0.4130,  
0.5085


 149.6967, 0.3853,  
0.4467


 24.6139, 0.4186,  
0.5271


 186.1544, 0.3810,  
0.4387

 15.7897, 0.4224,  
0.5478

 228.0973, 0.3772,  
0.4317

 9.3754, 0.4252,  
0.5748

 275.9098, 0.3737,  
0.4255

 4.9869, 0.4102,  
0.5898

329.9763, 0.3706,

 2.2396, 0.3856,

0.4200

0.6144

390.6811, 0.3677,  
0.4150

0.7414, 0.2599,  
0.7401

0.0000, 0.0000,  
0.0000

69.3910, 0.4008,  
0.4783

69.3910, 0.4008,  
0.4783

69.0760, 0.4085,  
0.4918

69.8219, 0.3906,  
0.4608

68.8556, 0.4136,  
0.5009


70.3691, 0.3784,  
0.4399


68.7189, 0.4162,  
0.5058


71.0447, 0.3647,  
0.4166


68.6713, 0.4169,  
0.5072


71.8568, 0.3500,  
0.3918

 72.8126, 0.3350,  
0.3665

 73.9191, 0.3202,  
0.3416

 75.1826, 0.3059,  
0.3175

 76.4645, 0.2937,  
0.2970

 76.5150, 0.2939,  
0.2970

# Harmonies

## Analogous

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



69.3910, 0.4615, 0.4298



69.3910, 0.4008, 0.4783



69.3910, 0.3213, 0.4839

# Triad

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



69.3910, 0.4008, 0.4783



69.3910, 0.1677, 0.2528



69.3910, 0.3722, 0.2548

# Complementary

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



69.3910, 0.4008, 0.4783



12.5432, 0.1875, 0.1206

# 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.



69.3910, 0.2843, 0.2171



69.3910, 0.4008, 0.4783



69.3910, 0.1769, 0.2114

# Square

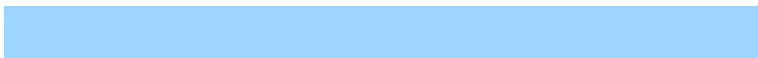
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.3910, 0.4008, 0.4783



69.3910, 0.1895, 0.3294



69.3910, 0.2159, 0.2013



69.3910, 0.4500, 0.3079



# Rectangle

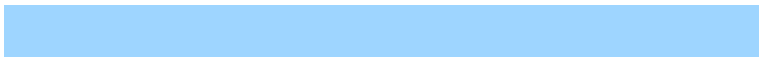
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.3910, 0.4008, 0.4783



69.3910, 0.2680, 0.4505



69.3910, 0.2159, 0.2013



69.3910, 0.3422, 0.2401

# Sweetspot

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



69.3942, 0.4008, 0.4783



97.0039, 0.3425, 0.3791



21.8521, 0.5257, 0.3296



20.6868, 0.3467, 0.3863



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.



69.3942, 0.4008, 0.4783



92.5401, 0.4106, 0.4954



60.4514, 0.3458, 0.5124



16.0192, 0.3265, 0.3522



39.9697, 0.4169, 0.5072



2.7737, 0.4173, 0.5069



# Inverse Universe

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



12.5432, 0.1875, 0.1206



10.9847, 0.1663, 0.0859



17.4156, 0.2438, 0.1467



13.2524, 0.2983, 0.3048



3.1486, 0.1505, 0.0603

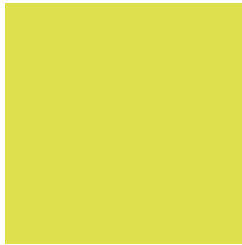


0.2215, 0.1518, 0.0610



# Previews

## White Background



This preview shows how the Yxy color 69.3910, 0.4008, 0.4783 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

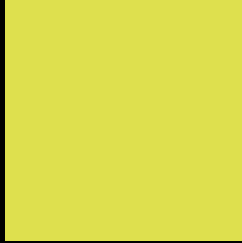
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.3910, 0.4008, 0.4783 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

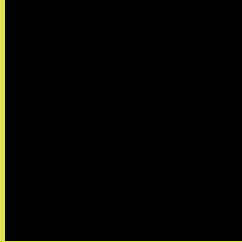
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.3910, 0.4008, 0.4783**

## Background



This preview shows how black text looks on a background with the Yxy color 69.3910, 0.4008, 0.4783.



This preview shows how white text looks on a background with the Yxy color 69.3910, 0.4008, 0.4783.

# 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

69.3910, 0.4008, 0.4783

### Protanopia

69.0248, 0.4221, 0.4645

### Deuteranopia

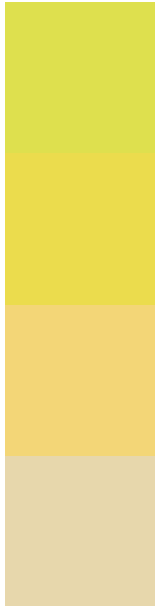
68.8139, 0.3984, 0.3978



## Tritanopia

69.4170, 0.3209, 0.3122

# Trichromacy



## Original Color

69.3910, 0.4008, 0.4783

## Protanomaly

69.3844, 0.4141, 0.4696

## Deuteranomaly

68.4797, 0.4019, 0.4277

## Tritanomaly

68.5684, 0.3553, 0.3765

# Monochromacy



## Original Color

69.3910, 0.4008, 0.4783

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

64.1236, 0.3493, 0.3909

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.3910, 0.4008, 0.4783 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(222, 224, 78)` looks like.

```
.text, #text, p{  
    color:rgb(222, 224, 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(222, 224, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 224, 78) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3910, 0.4008, 0.4783 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(222, 224, 78) }
```

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

```
.border{ border-color:rgb(222, 224, 78) }
```

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

Here you see how a box with a 4 pixel rgb(222, 224, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 224, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 224, 78);  
box-shadow:4px 4px 4px 4px rgb(222, 224,  
78) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3910, 0.4008, 0.4783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 224, 78) }
```

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

```
.background{ background-color: rgb(222,  
224, 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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