

# Converting Colors

$Yxy(69.9794, 0.3959, 0.4864)$

Have a look what the booklet for  
Yxy(69.9794, 0.3959, 0.4864)  
contains.

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# Color

**Yxy(70.0315, 0.3959, 0.4862)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8E34A
RGB	216, 227, 74
RGB Percent	85%, 89%, 29%
CMY	0.1529, 0.1098, 0.7100
CMYK	0.05, 0.00, 0.67, 0.11
HSL	64°, 73%, 59%
HSV	64°, 67%, 89%
XYZ	57.0248, 70.0315, 16.9821
YIQ	206.2690, 42.5570, -49.9150

# Conversions

## Conversions Part 2

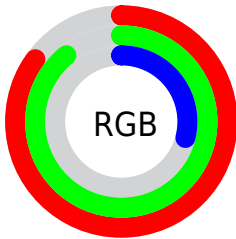
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 227, 85
Decimal	14213962
CIELab	87.01, -22.31, 69.95
CIELCh	87, 73.423, 107.690
Yxy	70.0315, 0.3959, 0.4862
Android (android.graphics.Color)	4292404042 (0xFFD8E34A)
YUV	206.2690, -65.2086, 8.5341
Hunter-Lab	83.6848, -24.8143, 46.5477

# Details

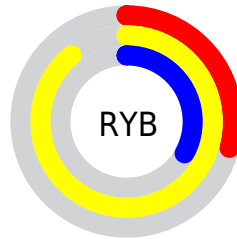
The Yxy color **70.0315, 0.3959, 0.4862** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **12.3674, 0.1884, 0.1162**, and the grayscale version is **62.3084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4187, 0.3845, 0.4476**, and **36.7741, 0.4052, 0.5165** is the 20% darker color. If you saturate the color by 10%, you get **69.5350, 0.4020, 0.4999**, and if you desaturate by 10%, it is **70.6473, 0.3873, 0.4683**.

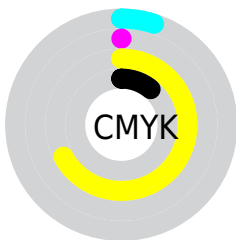
# Distribution



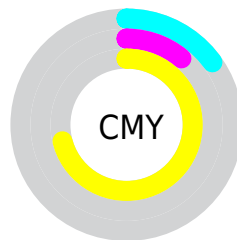
- Red (85%)
- Green (89%)
- Blue (29%)



- Red (29%)
- Yellow (89%)
- Blue (33%)



- Cyan (5%)
- Magenta (0%)
- Yellow (67%)
- Black (11%)




- Cyan (15%)
- Magenta (11%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0315, 0.3959, 0.4862 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 70.0315, 0.3959, 0.4862 by changing the saturation by 10% instead.




 70.0315, 0.3959,  
0.4862

 70.0315, 0.3959,  
0.4862


460.6606, 0.3631,  
0.4145

 51.5522, 0.4011,  
0.5011


 119.2537, 0.3862,  
0.4623


 36.6483, 0.4062,  
0.5184


 150.7654, 0.3819,  
0.4526


 24.9353, 0.4103,  
0.5383


 187.3900, 0.3780,  
0.4442

 16.0288, 0.4121,  
0.5607

 229.5119, 0.3745,  
0.4368

 9.5446, 0.4112,  
0.5888

 277.5155, 0.3712,  
0.4303

 5.0981, 0.3928,  
0.6072


331.7852, 0.3683,

 2.3049, 0.3630,


0.4244


0.6370


392.7055, 0.3656,  
0.4192

 0.7763, 0.1993,  
0.8007


 0.0000, 0.0000,  
0.0000


 70.0315, 0.3959,  
0.4862


 70.0315, 0.3959,  
0.4862


 69.5350, 0.4020,  
0.4999

 70.6473, 0.3873,  
0.4683


 69.1355, 0.4055,  
0.5092


 71.3832, 0.3765,  
0.4471

 68.8195, 0.4066,  
0.5143


 72.2521, 0.3641,  
0.4233

 68.7445, 0.4066,  
0.5153

 73.2623, 0.3507,  
0.3981

 74.4216, 0.3368,  
0.3725

 75.7373, 0.3228,  
0.3472

 77.2160, 0.3093,  
0.3228

 78.8278, 0.2967,  
0.3004

 79.0975, 0.2978,  
0.3005

# Harmonies

## Analogous

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



70.0315, 0.4615, 0.4376



70.0315, 0.3959, 0.4862



70.0315, 0.3132, 0.4873

# Triad

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



70.0315, 0.3959, 0.4862



70.0315, 0.1631, 0.2444



70.0315, 0.3827, 0.2569

# Complementary

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



70.0315, 0.3959, 0.4862



12.3674, 0.1884, 0.1162

# 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.



70.0315, 0.2909, 0.2166



70.0315, 0.3959, 0.4862



70.0315, 0.1754, 0.2055

# Square

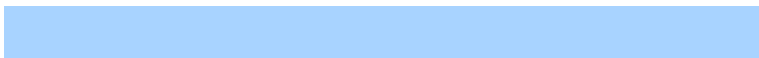
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0315, 0.3959, 0.4862



70.0315, 0.1821, 0.3204



70.0315, 0.2180, 0.1980



70.0315, 0.4604, 0.3123



# Rectangle

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



70.0315, 0.3959, 0.4862



70.0315, 0.2590, 0.4484



70.0315, 0.2180, 0.1980



70.0315, 0.3516, 0.2414

# Sweetspot

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



70.0347, 0.3959, 0.4862



96.4513, 0.3405, 0.3794



23.1911, 0.5283, 0.3394



20.5521, 0.3445, 0.3867



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.



70.0347, 0.3959, 0.4862



90.2905, 0.4038, 0.5043



61.0341, 0.3389, 0.5227



16.7617, 0.3256, 0.3523



40.1121, 0.4068, 0.5152



2.9800, 0.4088, 0.5136



# Inverse Universe

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



12.3674, 0.1884, 0.1162



10.4372, 0.1667, 0.0821



17.9826, 0.2507, 0.1457



13.9364, 0.2991, 0.3048



3.3187, 0.1523, 0.0613



0.2627, 0.1587, 0.0648



# Previews

## White Background



This preview shows how the Yxy color 70.0315, 0.3959, 0.4862 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

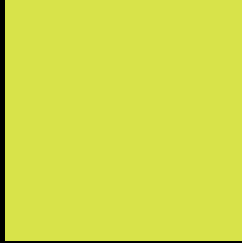
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.0315, 0.3959, 0.4862 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 70.0315, 0.3959, 0.4862**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0315, 0.3959, 0.4862.



This preview shows how white text looks on a background with the Yxy color 70.0315, 0.3959, 0.4862.

# 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

70.0315, 0.3959, 0.4862

### Protanopia

69.8438, 0.4246, 0.4667

### Deuteranopia

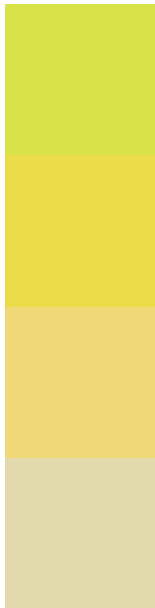
69.3975, 0.3958, 0.3958



## Tritanopia

69.7330, 0.3150, 0.3110

# Trichromacy



## Original Color

70.0315, 0.3959, 0.4862

## Protanomaly

69.6864, 0.4143, 0.4734

## Deuteranomaly

69.1444, 0.3992, 0.4302

## Tritanomaly

68.8116, 0.3501, 0.3781

# Monochromacy



## Original Color

70.0315, 0.3959, 0.4862

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

64.2634, 0.3488, 0.3947

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0315, 0.3959, 0.4862 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(216, 227, 74)` looks like.

```
.text, #text, p{  
    color:rgb(216, 227, 74)  
}
```

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(216, 227, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 227, 74) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0315, 0.3959, 0.4862 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(216, 227, 74) }
```

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

```
.border{ border-color:rgb(216, 227, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 227, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 227, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 227, 74);  
box-shadow:4px 4px 4px 4px rgb(216, 227,  
74) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.0315, 0.3959, 0.4862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 227, 74) }
```

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

```
.background{ background-color: rgb(216,  
227, 74) }
```

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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