

# Converting Colors

$Yxy(63.7204, 0.3876, 0.4140)$

Have a look what the booklet for  
Yxy(63.7204, 0.3876, 0.4140)  
contains.

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# Color

**Yxy(63.7394, 0.3871, 0.4139)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | E7D083                      |
| RGB         | 231, 208, 131               |
| RGB Percent | 91%, 82%, 51%               |
| CMY         | 0.0941, 0.1843, 0.4861      |
| CMYK        | 0.00, 0.10, 0.43, 0.09      |
| HSL         | 46°, 68%, 71%               |
| HSV         | 46°, 43%, 91%               |
| XYZ         | 59.6123, 63.7394, 30.6454   |
| YIQ         | 206.0990, 38.4250, -19.0710 |

# Conversions

## Conversions Part 2

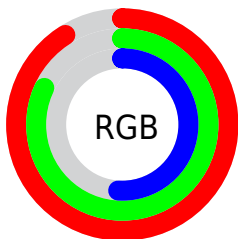
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 161, 231, 131                  |
| Decimal                             | 15192195                       |
| CIE Lab                             | 83.83, -2.31, 41.05            |
| CIE LCh                             | 84, 41.117, 93.220             |
| Yxy                                 | 63.7394, 0.3871,<br>0.4139     |
| Android<br>(android.graphics.Color) | 4293382275<br>(0xFFE7D083)     |
| YUV                                 | 206.0990, -37.0238,<br>21.8382 |
| Hunter-Lab                          | 79.8370, -6.4332,<br>33.1274   |

# Details

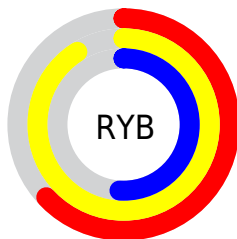
The Yxy color **63.7394, 0.3871, 0.4139** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **33.7249, 0.2367, 0.2258**, and the grayscale version is **62.0156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **32.6891, 0.4037, 0.4333** is the 20% darker color. If you saturate the color by 10%, you get **60.6345, 0.4054, 0.4317**, and if you desaturate by 10%, it is **67.0768, 0.3686, 0.3945**.

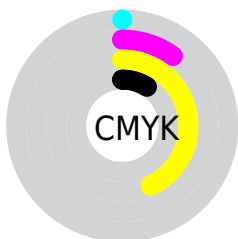
# Distribution



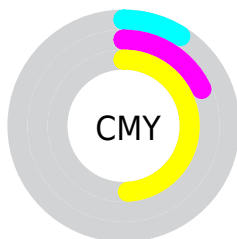
- Red (91%)
- Green (82%)
- Blue (51%)



- Red (63%)
- Yellow (91%)
- Blue (51%)



- Cyan (0%)
- Magenta (10%)
- Yellow (43%)
- Black (9%)



- Cyan (9%)
- Magenta (18%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.7394, 0.3871, 0.4139 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 63.7394, 0.3871, 0.4139 by changing the saturation by 10% instead.





 63.7394, 0.3871,  
0.4139

 63.7394, 0.3871,  
0.4139


438.2480, 0.3529,  
0.3744


 46.4396, 0.3946,  
0.4227


 110.2355, 0.3754,  
0.4003

 32.5929, 0.4036,  
0.4333


 140.2007, 0.3708,  
0.3950

 21.8148, 0.4145,  
0.4463


 175.1565, 0.3668,  
0.3904

 13.7208, 0.4278,  
0.4624

215.4872, 0.3633,  
0.3864

 7.9268, 0.4434,  
0.4819

261.5773, 0.3602,  
0.3828

 4.0481, 0.4770,  
0.5227

313.8113, 0.3575,

 1.7005, 0.4737,

0.3797

0.5263

372.5733, 0.3551,  
0.3769

0.4240, 0.4498,  
0.5502

0.0000, 0.0000,  
0.0000

63.7394, 0.3871,  
0.4139

63.7394, 0.3871,  
0.4139

60.6345, 0.4054,  
0.4317

67.0768, 0.3686,  
0.3945

57.7429, 0.4229,  
0.4469


70.6473, 0.3506,  
0.3744

55.0563, 0.4386,  
0.4584


74.4623, 0.3336,  
0.3545

52.5617, 0.4519,  
0.4654

78.5300, 0.3176,  
0.3351


 50.2433, 0.4621,  
0.4676

 82.8580, 0.3030,  
0.3168

 48.7679, 0.4676,  
0.4669

 86.4742, 0.2981,  
0.3138

 89.6493, 0.2981,  
0.3192

 92.9168, 0.2981,  
0.3245

 95.7309, 0.2982,  
0.3290

# Harmonies

## Analogous

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



63.7394, 0.4134, 0.3833



63.7394, 0.3871, 0.4139



63.7394, 0.3418, 0.4225

# Triad

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



63.7394, 0.3871, 0.4139



63.7394, 0.2233, 0.3017



63.7394, 0.3289, 0.2707

# Complementary

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



63.7394, 0.3871, 0.4139



33.7249, 0.2367, 0.2258

# 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.



63.7394, 0.2777, 0.2507



63.7394, 0.3871, 0.4139



63.7394, 0.2205, 0.2647

# Square

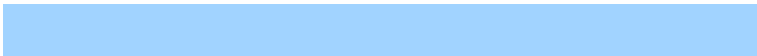
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.7394, 0.3871, 0.4139



63.7394, 0.2480, 0.3525



63.7394, 0.2394, 0.2479



63.7394, 0.3792, 0.3035



# Rectangle

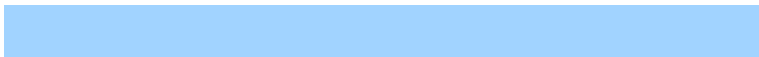
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.7394, 0.3871, 0.4139



63.7394, 0.3076, 0.4109



63.7394, 0.2394, 0.2479



63.7394, 0.3111, 0.2623

# Sweetspot

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



63.7424, 0.3871, 0.4139



93.2739, 0.3332, 0.3541



35.5781, 0.3990, 0.3024



19.7316, 0.3369, 0.3585



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.



63.7424, 0.3871, 0.4139



76.2444, 0.4036, 0.4300



71.6852, 0.3568, 0.4435



16.2251, 0.3273, 0.3470



27.5337, 0.4667, 0.4676



2.1721, 0.4584, 0.4742



# Inverse Universe

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



33.7249, 0.2367, 0.2258



34.1433, 0.2195, 0.1998



29.2505, 0.2520, 0.2015



14.4227, 0.2980, 0.3104



4.8263, 0.1571, 0.0853



0.4957, 0.1646, 0.1124



# Previews

## White Background



This preview shows how the Yxy color 63.7394, 0.3871, 0.4139 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 63.7394, 0.3871, 0.4139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

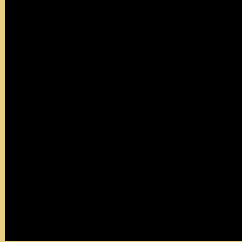
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.7394, 0.3871, 0.4139**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.7394, 0.3871, 0.4139.



This preview shows how white text looks on a background with the Yxy color 63.7394, 0.3871, 0.4139.

# 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

63.7394, 0.3871, 0.4139

### Protanopia

63.7336, 0.3842, 0.4158

### Deuteranopia

63.6975, 0.4070, 0.3986



## Tritanopia

63.7175, 0.3348, 0.3131

# Trichromacy



**Original Color**

63.7394, 0.3871, 0.4139

**Protanomaly**

63.8976, 0.3850, 0.4155

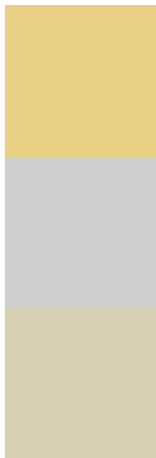
**Deuteranomaly**

63.6109, 0.3996, 0.4046

**Tritanomaly**

63.6645, 0.3550, 0.3499

# Monochromacy



**Original Color**

63.7394, 0.3871, 0.4139

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

62.3274, 0.3392, 0.3615

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.7394, 0.3871, 0.4139 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(231, 208, 131)` looks like.

```
.text, #text, p{  
    color:rgb(231, 208, 131)  
}
```

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(231, 208, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 208, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 63.7394, 0.3871, 0.4139 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(231, 208, 131) }
```

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

```
.border{ border-color:rgb(231, 208, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 208, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 208, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 208, 131);  
box-shadow:4px 4px 4px 4px rgb(231, 208,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.7394, 0.3871, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 208, 131) }
```

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

```
.background{ background-color: rgb(231,  
208, 131) }
```

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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