

# Converting Colors

$Yxy(68.3065, 0.3784, 0.4164)$

Have a look what the booklet for  
Yxy(68.3065, 0.3784, 0.4164)  
contains.

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# Color

**Yxy(68.2548, 0.3783, 0.4167)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6D989
RGB	230, 217, 137
RGB Percent	90%, 85%, 54%
CMY	0.0980, 0.1490, 0.4627
CMYK	0.00, 0.06, 0.40, 0.10
HSL	52°, 65%, 72%
HSV	52°, 40%, 90%
XYZ	61.9649, 68.2548, 33.5787
YIQ	211.7670, 33.4280, -22.1240

# Conversions

## Conversions Part 2

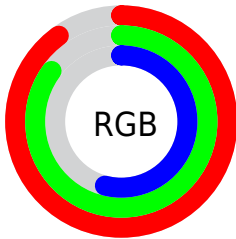
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 230, 137
Decimal	15128969
CIELab	86.13, -6.68, 40.97
CIELCh	86, 41.510, 99.263
Yxy	68.2548, 0.3783, 0.4167
Android (android.graphics.Color)	4293319049 (0xFFE6D989)
YUV	211.7670, -36.8601, 15.9903
Hunter-Lab	82.6165, -10.6982, 33.7337

# Details

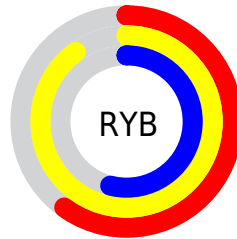
The Yxy color **68.2548, 0.3783, 0.4167** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **32.8531, 0.2404, 0.2224**, and the grayscale version is **65.9115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5416, 0.3508, 0.3919**, and **35.3968, 0.3921, 0.4360** is the 20% darker color. If you saturate the color by 10%, you get **66.0237, 0.3946, 0.4366**, and if you desaturate by 10%, it is **70.6652, 0.3615, 0.3952**.

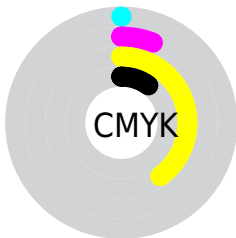
# Distribution



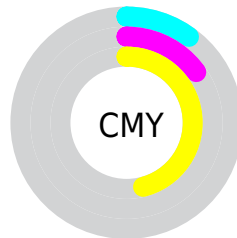
- Red (90%)
- Green (85%)
- Blue (54%)



- Red (60%)
- Yellow (90%)
- Blue (54%)



- Cyan (0%)
- Magenta (6%)
- Yellow (40%)
- Black (10%)




- Cyan (10%)
- Magenta (15%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2548, 0.3783, 0.4167 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 68.2548, 0.3783, 0.4167 by changing the saturation by 10% instead.




 68.2548, 0.3783,  
0.4167

 68.2548, 0.3783,  
0.4167


454.3983, 0.3487,  
0.3759

 50.1051, 0.3847,  
0.4258

 116.7166, 0.3683,  
0.4026

 35.4969, 0.3922,  
0.4370


 147.7974, 0.3643,  
0.3971

 24.0459, 0.4013,  
0.4507


 183.9574, 0.3609,  
0.3924

 15.3677, 0.4122,  
0.4678

225.5809, 0.3578,  
0.3882

 9.0778, 0.4248,  
0.4893

273.0523, 0.3551,  
0.3846

 4.7920, 0.4449,  
0.5238

326.7561, 0.3528,

 2.1257, 0.4504,

0.3813

0.5496

387.0766, 0.3506,  
0.3785

0.6790, 0.4153,  
0.5847

0.0000, 0.0000,  
0.0000

68.2548, 0.3783,  
0.4167

68.2548, 0.3783,  
0.4167

66.0237, 0.3946,  
0.4366

70.6652, 0.3615,  
0.3952

63.9533, 0.4097,  
0.4540


73.2540, 0.3448,  
0.3731


62.0365, 0.4229,  
0.4678


76.0320, 0.3286,  
0.3512


60.2616, 0.4336,  
0.4774

79.0065, 0.3134,  
0.3299

 58.6148, 0.4415,  
0.4824


 82.1843, 0.2991,  
0.3097

 57.1366, 0.4467,  
0.4835

 84.2146, 0.2974,  
0.3101

 86.0877, 0.2974,  
0.3134

 87.9944, 0.2975,  
0.3166

 89.9349, 0.2975,  
0.3199

# Harmonies

## Analogous

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



68.2548, 0.4090, 0.3899



68.2548, 0.3783, 0.4167



68.2548, 0.3313, 0.4193

# Triad

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



68.2548, 0.3783, 0.4167



68.2548, 0.2221, 0.2933



68.2548, 0.3393, 0.2770

# Complementary

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



68.2548, 0.3783, 0.4167



32.8531, 0.2404, 0.2224

# 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.



68.2548, 0.2877, 0.2544



68.2548, 0.3783, 0.4167



68.2548, 0.2237, 0.2606

# Square

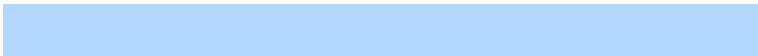
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.2548, 0.3783, 0.4167



68.2548, 0.2423, 0.3417



68.2548, 0.2465, 0.2479



68.2548, 0.3866, 0.3114



# Rectangle

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



68.2548, 0.3783, 0.4167



68.2548, 0.2976, 0.4035



68.2548, 0.2465, 0.2479



68.2548, 0.3217, 0.2679

# Sweetspot

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



68.2579, 0.3783, 0.4167



95.4823, 0.3312, 0.3547



36.9527, 0.3996, 0.3131



20.3366, 0.3333, 0.3576



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.



68.2579, 0.3783, 0.4167



83.7420, 0.3928, 0.4344



70.3402, 0.3485, 0.4380



16.4552, 0.3271, 0.3490



32.4793, 0.4462, 0.4839



2.4951, 0.4417, 0.4875



# Inverse Universe

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



32.8531, 0.2404, 0.2224



33.0030, 0.2225, 0.1944



32.1056, 0.2634, 0.2129



14.2107, 0.2980, 0.3081



3.9286, 0.1532, 0.0714



0.3939, 0.1591, 0.0929



# Previews

## White Background



This preview shows how the Yxy color 68.2548, 0.3783, 0.4167 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 68.2548, 0.3783, 0.4167 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 68.2548, 0.3783, 0.4167**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.2548, 0.3783, 0.4167.



This preview shows how white text looks on a background with the Yxy color 68.2548, 0.3783, 0.4167.

# 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

68.2548, 0.3783, 0.4167

### Protanopia

68.0406, 0.3838, 0.4145

### Deuteranopia

68.0877, 0.3935, 0.3880



## Tritanopia

68.3041, 0.3256, 0.3122

# Trichromacy



## Original Color

68.2548, 0.3783, 0.4167

## Protanomaly

68.2129, 0.3818, 0.4160

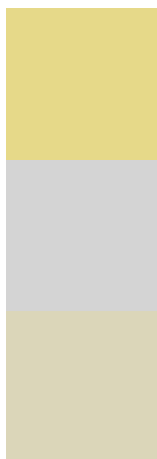
## Deuteranomaly

68.2257, 0.3882, 0.3988

## Tritanomaly

68.2272, 0.3454, 0.3497

# Monochromacy



## Original Color

68.2548, 0.3783, 0.4167

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

66.6560, 0.3367, 0.3619

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.2548, 0.3783, 0.4167 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, 217, 137)` looks like.

```
.text, #text, p{  
    color:rgb(230, 217, 137)  
}
```

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, 217, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 217, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 68.2548, 0.3783, 0.4167 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, 217, 137) }
```

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

```
.border{ border-color:rgb(230, 217, 137) }
```

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

Here you see how a box with a 4 pixel rgb(230, 217, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 217, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 217, 137);  
box-shadow:4px 4px 4px 4px rgb(230, 217,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.2548, 0.3783, 0.4167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 217, 137) }
```

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

```
.background{ background-color: rgb(230,  
217, 137) }
```

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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