

# Converting Colors

$Y_{xy}(57.3522, 0.4012, 0.4142)$

Have a look what the booklet for  
Yxy(57.3522, 0.4012, 0.4142)  
contains.

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# Color

**Yxy(57.1851, 0.4013, 0.4137)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6C377
RGB	230, 195, 119
RGB Percent	90%, 76%, 47%
CMY	0.0982, 0.2352, 0.5333
CMYK	0.00, 0.15, 0.48, 0.10
HSL	41°, 69%, 68%
HSV	41°, 48%, 90%
XYZ	55.4711, 57.1851, 25.5723
YIQ	196.8010, 45.2560, -16.2160

# Conversions

## Conversions Part 2

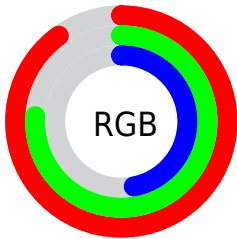
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 230, 119
Decimal	15123319
CIELab	80.28, 2.83, 42.61
CIELCh	80, 42.704, 86.204
Yxy	57.1851, 0.4013, 0.4137
Android (android.graphics.Color)	4293313399 (0xFFE6C377)
YUV	196.8010, -38.3559, 29.1155
Hunter-Lab	75.6208, -1.3992, 32.8848

# Details

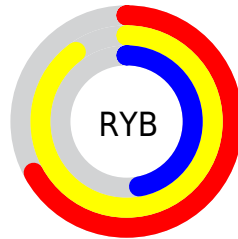
The Yxy color **57.1851, 0.4013, 0.4137** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **32.7357, 0.2297, 0.2249**, and the grayscale version is **55.9245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2329, 0.3632, 0.4070**, and **28.5340, 0.4216, 0.4338** is the 20% darker color. If you saturate the color by 10%, you get **53.5319, 0.4219, 0.4288**, and if you desaturate by 10%, it is **61.1348, 0.3808, 0.3967**.

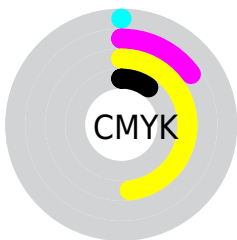
# Distribution



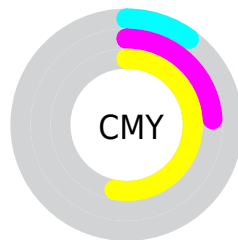
- Red (90%)
- Green (76%)
- Blue (47%)



- Red (67%)
- Yellow (90%)
- Blue (47%)



- Cyan (0%)
- Magenta (15%)
- Yellow (48%)
- Black (10%)




- Cyan (10%)
- Magenta (24%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1851, 0.4013, 0.4137 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 57.1851, 0.4013, 0.4137 by changing the saturation by 10% instead.




 57.1851, 0.4013,  
0.4137

 57.1851, 0.4013,  
0.4137


414.1425, 0.3596,  
0.3744

 41.1539, 0.4106,  
0.4223


 100.7352, 0.3869,  
0.4003

 28.4393, 0.4219,  
0.4326


 129.0229, 0.3813,  
0.3950

 18.6571, 0.4356,  
0.4449


 162.1649, 0.3764,  
0.3904

 11.4228, 0.4522,  
0.4595

200.5455, 0.3722,  
0.3864

 6.3520, 0.4728,  
0.4768

244.5492, 0.3685,  
0.3828

 3.0602, 0.5007,  
0.4993

294.5603, 0.3652,

 1.1633, 0.5058,

0.3797

0.4942

350.9633, 0.3622,  
0.3769

0.0314, 0.7590,  
0.2410

0.0000, 0.0000,  
0.0000

57.1851, 0.4013,  
0.4137

57.1851, 0.4013,  
0.4137

53.5319, 0.4219,  
0.4288

61.1348, 0.3808,  
0.3967

50.1553, 0.4418,  
0.4409


65.3841, 0.3611,  
0.3787


47.0444, 0.4599,  
0.4489


69.9457, 0.3426,  
0.3606

44.1838, 0.4753,  
0.4519


74.8292, 0.3256,  
0.3429


 41.5525, 0.4875,  
0.4501

 80.0436, 0.3101,  
0.3261

 41.1094, 0.4895,  
0.4495

 85.4681, 0.2974,  
0.3123

 89.7831, 0.2975,  
0.3197

 94.2700, 0.2975,  
0.3269

 95.5576, 0.2975,  
0.3290

# Harmonies

## Analogous

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



57.1851, 0.4235, 0.3770



57.1851, 0.4013, 0.4137



57.1851, 0.3560, 0.4306

# Triad

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



57.1851, 0.4013, 0.4137



57.1851, 0.2211, 0.3111



57.1851, 0.3164, 0.2603

# Complementary

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



57.1851, 0.4013, 0.4137



32.7357, 0.2297, 0.2249

# 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.



57.1851, 0.2638, 0.2429



57.1851, 0.4013, 0.4137



57.1851, 0.2128, 0.2671

# Square

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



57.1851, 0.4013, 0.4137



57.1851, 0.2524, 0.3675



57.1851, 0.2276, 0.2444



57.1851, 0.3726, 0.2924



# Rectangle

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



57.1851, 0.4013, 0.4137



57.1851, 0.3197, 0.4240



57.1851, 0.2276, 0.2444



57.1851, 0.2977, 0.2526

# Sweetspot

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



57.1878, 0.4013, 0.4137



90.9437, 0.3353, 0.3532



32.3540, 0.4026, 0.2891



19.1827, 0.3390, 0.3570



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.



57.1878, 0.4013, 0.4137



67.6353, 0.4221, 0.4290



71.5547, 0.3680, 0.4533



16.0111, 0.3275, 0.3450



23.5097, 0.4881, 0.4506



1.9020, 0.4756, 0.4605



# Inverse Universe

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



32.7357, 0.2297, 0.2249



33.3612, 0.2119, 0.1984



24.4295, 0.2359, 0.1824



14.6243, 0.2981, 0.3124



6.0852, 0.1622, 0.1037



0.6115, 0.1702, 0.1328



# Previews

## White Background



This preview shows how the Yxy color 57.1851, 0.4013, 0.4137 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

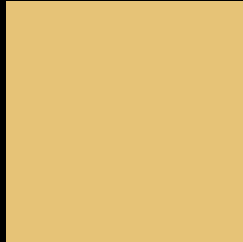
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.1851, 0.4013, 0.4137 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 57.1851, 0.4013, 0.4137**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.1851, 0.4013, 0.4137.



This preview shows how white text looks on a background with the Yxy color 57.1851, 0.4013, 0.4137.

# 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

57.1851, 0.4013, 0.4137

### Protanopia

57.1328, 0.3874, 0.4193

### Deuteranopia

57.0602, 0.4138, 0.4042



## Tritanopia

57.0452, 0.3456, 0.3127

# Trichromacy



**Original Color**

57.1851, 0.4013, 0.4137

**Protanomaly**

57.2738, 0.3921, 0.4181

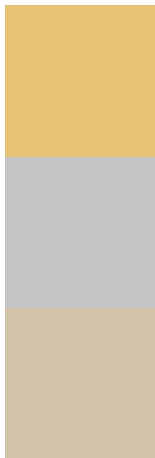
**Deuteranomaly**

57.2325, 0.4092, 0.4073

**Tritanomaly**

56.9976, 0.3665, 0.3493

# Monochromacy



**Original Color**

57.1851, 0.4013, 0.4137

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

55.8997, 0.3440, 0.3615

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.1851, 0.4013, 0.4137 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, 195, 119)` looks like.

```
.text, #text, p{  
    color:rgb(230, 195, 119)  
}
```

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, 195, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 195, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 57.1851, 0.4013, 0.4137 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, 195, 119) }
```

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

```
.border{ border-color:rgb(230, 195, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 195, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 195, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 195, 119);  
box-shadow:4px 4px 4px 4px rgb(230, 195,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.1851, 0.4013, 0.4137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 195, 119) }
```

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

```
.background{ background-color: rgb(230,  
195, 119) }
```

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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