

# Converting Colors

$Yxy(60.4111, 0.3912, 0.4154)$

Have a look what the booklet for  
Yxy(60.4111, 0.3912, 0.4154)  
contains.

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# Color

**Yxy(60.2157, 0.3917, 0.4151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4CA7D
RGB	228, 202, 125
RGB Percent	89%, 79%, 49%
CMY	0.1058, 0.2078, 0.5098
CMYK	0.00, 0.11, 0.45, 0.11
HSL	45°, 66%, 69%
HSV	45°, 45%, 89%
XYZ	56.8212, 60.2157, 28.0262
YIQ	200.9960, 40.2130, -18.4350

# Conversions

## Conversions Part 2

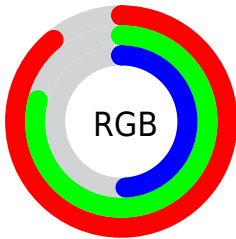
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	160, 228, 125
Decimal	14994045
CIE Lab	81.96, -1.02, 41.67
CIE LCh	82, 41.678, 91.396
Yxy	60.2157, 0.3917, 0.4151
Android (android.graphics.Color)	4293184125 (0xFFE4CA7D)
YUV	200.9960, -37.4660, 23.6825
Hunter-Lab	77.5988, -5.0923, 32.9055

# Details

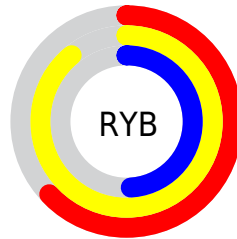
The Yxy color **60.2157, 0.3917, 0.4151** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **32.0986, 0.2337, 0.2237**, and the grayscale version is **58.6263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0347, 0.3579, 0.4037**, and **30.3321, 0.4102, 0.4347** is the 20% darker color. If you saturate the color by 10%, you get **57.0489, 0.4105, 0.4321**, and if you desaturate by 10%, it is **63.6227, 0.3727, 0.3964**.

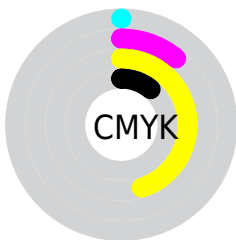
# Distribution



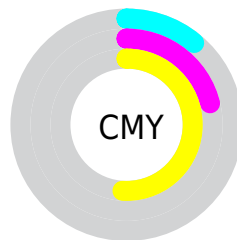
- Red (89%)
- Green (79%)
- Blue (49%)



- Red (63%)
- Yellow (89%)
- Blue (49%)



- Cyan (0%)
- Magenta (11%)
- Yellow (45%)
- Black (11%)




- Cyan (11%)
- Magenta (21%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2157, 0.3917, 0.4151 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 60.2157, 0.3917, 0.4151 by changing the saturation by 10% instead.





 60.2157, 0.3917,  
0.4151


 60.2157, 0.3917,  
0.4151

425.3924, 0.3550,  
0.3749


 43.5925, 0.3998,  
0.4241


 105.1425, 0.3791,  
0.4013

 30.3503, 0.4096,  
0.4349


 134.2149, 0.3742,  
0.3958

 20.1046, 0.4214,  
0.4480


 168.2059, 0.3699,  
0.3911

 12.4711, 0.4358,  
0.4641

207.4997, 0.3661,  
0.3871

 7.0654, 0.4526,  
0.4832

252.4809, 0.3628,  
0.3835

 3.5030, 0.4826,  
0.5174

303.5338, 0.3599,

 1.3996, 0.4810,

0.3803

0.5190

361.0429, 0.3573,  
0.3774

■ 0.2165, 0.4553,  
0.5447

■ 0.0000, 0.0000,  
0.0000

■ 60.2157, 0.3917,  
0.4151

■ 60.2157, 0.3917,  
0.4151

■ 57.0489, 0.4105,  
0.4321

■ 63.6227, 0.3727,  
0.3964

■ 54.1035, 0.4285,  
0.4463


■ 67.2710, 0.3543,  
0.3769


■ 51.3709, 0.4447,  
0.4567


■ 71.1722, 0.3368,  
0.3574

■ 48.8376, 0.4583,  
0.4624

■ 75.3344, 0.3206,  
0.3385


 46.4876, 0.4688,  
0.4633

 79.7653, 0.3057,  
0.3205

 45.4092, 0.4732,  
0.4625

 84.0263, 0.2961,  
0.3103

 87.4064, 0.2962,  
0.3162

 90.8945, 0.2963,  
0.3220

 94.4916, 0.2964,  
0.3278

# Harmonies

## Analogous

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



60.2157, 0.4175, 0.3824



60.2157, 0.3917, 0.4151



60.2157, 0.3457, 0.4261

# Triad

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



60.2157, 0.3917, 0.4151



60.2157, 0.2215, 0.3035



60.2157, 0.3259, 0.2673

# Complementary

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



60.2157, 0.3917, 0.4151



32.0986, 0.2337, 0.2237

# 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.



60.2157, 0.2737, 0.2477



60.2157, 0.3917, 0.4151



60.2157, 0.2173, 0.2643

# Square

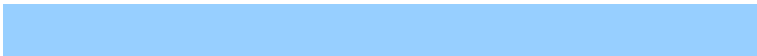
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.2157, 0.3917, 0.4151



60.2157, 0.2481, 0.3566



60.2157, 0.2354, 0.2459



60.2157, 0.3786, 0.3003



# Rectangle

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



60.2157, 0.3917, 0.4151



60.2157, 0.3104, 0.4156



60.2157, 0.2354, 0.2459



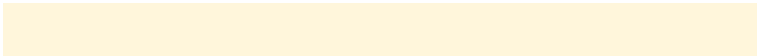
60.2157, 0.3076, 0.2590

# Sweetspot

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



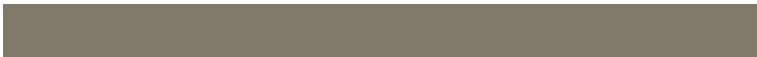
60.2185, 0.3917, 0.4151



92.2920, 0.3350, 0.3553



33.4444, 0.4005, 0.2974



19.5129, 0.3387, 0.3595



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.



60.2185, 0.3917, 0.4151



73.8553, 0.4090, 0.4307



69.8126, 0.3610, 0.4473



16.1684, 0.3274, 0.3465



26.4144, 0.4722, 0.4633



2.0977, 0.4628, 0.4707



# Inverse Universe

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



32.0986, 0.2337, 0.2237



33.5040, 0.2166, 0.1979



26.6599, 0.2459, 0.1943



14.4757, 0.2980, 0.3109



5.1174, 0.1583, 0.0897



0.5238, 0.1660, 0.1175



# Previews

## White Background



This preview shows how the Yxy color 60.2157, 0.3917, 0.4151 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

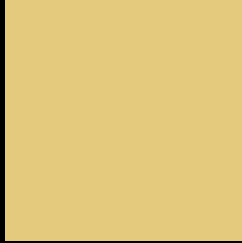
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.2157, 0.3917, 0.4151 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 60.2157, 0.3917, 0.4151**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.2157, 0.3917, 0.4151.



This preview shows how white text looks on a background with the Yxy color 60.2157, 0.3917, 0.4151.

# 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

60.2157, 0.3917, 0.4151

### Protanopia

60.3801, 0.3858, 0.4175

### Deuteranopia

60.1553, 0.4091, 0.4011



## Tritanopia

60.0371, 0.3371, 0.3128

# Trichromacy



## Original Color

60.2157, 0.3917, 0.4151

## Protanomaly

60.2258, 0.3879, 0.4159

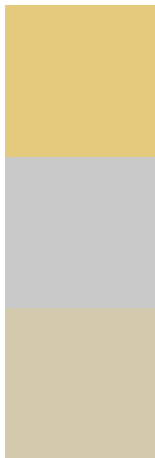
## Deuteranomaly

60.2452, 0.4023, 0.4070

## Tritanomaly

59.9778, 0.3579, 0.3503

# Monochromacy



## Original Color

60.2157, 0.3917, 0.4151

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

58.6393, 0.3416, 0.3623

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.2157, 0.3917, 0.4151 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(228, 202, 125)` looks like.

```
.text, #text, p{  
    color:rgb(228, 202, 125)  
}
```

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(228, 202, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 202, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 60.2157, 0.3917, 0.4151 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(228, 202, 125) }
```

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

```
.border{ border-color:rgb(228, 202, 125) }
```

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

Here you see how a box with a 4 pixel rgb(228, 202, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 202, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 202, 125);  
box-shadow:4px 4px 4px 4px rgb(228, 202,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.2157, 0.3917, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 202, 125) }
```

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

```
.background{ background-color: rgb(228,  
202, 125) }
```

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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