

# Converting Colors

Yxy(61.6869, 0.3677, 0.3803)

Have a look what the booklet for  
Yxy(61.6869, 0.3677, 0.3803)  
contains.

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# Color

**Yxy(61.8042, 0.3683, 0.3809)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5CB9D
RGB	229, 203, 157
RGB Percent	90%, 80%, 62%
CMY	0.1019, 0.2039, 0.3842
CMYK	0.00, 0.11, 0.31, 0.10
HSL	38°, 58%, 76%
HSV	38°, 31%, 90%
XYZ	59.7597, 61.8042, 40.6944
YIQ	205.5300, 30.2620, -8.7940

# Conversions

## Conversions Part 2

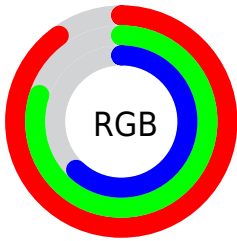
Format	Color
R <sub>Y</sub> B	198, 229, 157
Decimal	15059869
CIE Lab	82.81, 2.44, 26.30
CIE LCh	83, 26.410, 84.692
Yxy	61.8042, 0.3683, 0.3809
Android (android.graphics.Color)	4293249949 (0xFFE5CB9D)
YUV	205.5300, -23.9253, 20.5832
Hunter-Lab	78.6156, -1.8905, 24.3402

# Details

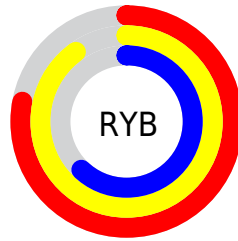
The Yxy color **61.8042, 0.3683, 0.3809** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.7169, 0.2609, 0.2708**, and the grayscale version is **61.5505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **31.3990, 0.3829, 0.3937** is the 20% darker color. If you saturate the color by 10%, you get **57.2910, 0.3892, 0.3976**, and if you desaturate by 10%, it is **66.6784, 0.3488, 0.3639**.

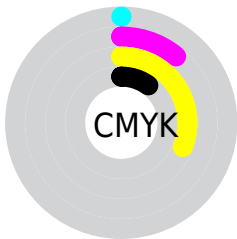
# Distribution



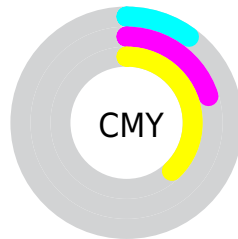
- Red (90%)
- Green (80%)
- Blue (62%)



- Red (78%)
- Yellow (90%)
- Blue (62%)



- Cyan (0%)
- Magenta (11%)
- Yellow (31%)
- Black (10%)




- Cyan (10%)
- Magenta (20%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8042, 0.3683, 0.3809 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 61.8042, 0.3683, 0.3809 by changing the saturation by 10% instead.



 61.8042, 0.3683,  
0.3809


 61.8042, 0.3683,  
0.3809


431.2165, 0.3419,  
0.3565

 44.8745, 0.3744,  
0.3865


 107.4425, 0.3591,  
0.3724

 31.3586, 0.3820,  
0.3934


 136.9199, 0.3555,  
0.3691

 20.8721, 0.3916,  
0.4020

171.3486, 0.3524,  
0.3663

 13.0305, 0.4041,  
0.4131

211.1131, 0.3498,  
0.3638

 7.4496, 0.4209,  
0.4278

256.5978, 0.3474,  
0.3617

 3.7448, 0.4440,  
0.4472

308.1870, 0.3454,

 1.5319, 0.5019,

0.3598

0.4981

366.2651, 0.3436,  
0.3581

0.3110, 0.5332,  
0.4668

0.0000, 0.0000,  
0.0000

61.8042, 0.3683,  
0.3809

61.8042, 0.3683,  
0.3809

57.2910, 0.3892,  
0.3976

66.6784, 0.3488,  
0.3639

53.1189, 0.4112,  
0.4132

71.9157, 0.3310,  
0.3472

49.2784, 0.4333,  
0.4266

77.5293, 0.3149,  
0.3312

45.7561, 0.4546,  
0.4367

83.5286, 0.3005,  
0.3162

■ 42.5368, 0.4741,  
0.4423

■ 88.8112, 0.2969,  
0.3183

■ 39.6031, 0.4905,  
0.4427

■ 93.9148, 0.2970,  
0.3266

■ 37.2933, 0.5023,  
0.4394

■ 95.3997, 0.2970,  
0.3290

# Harmonies

## Analogous

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



61.8042, 0.3797, 0.3594



61.8042, 0.3683, 0.3809



61.8042, 0.3420, 0.3893

# Triad

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



61.8042, 0.3683, 0.3809



61.8042, 0.2566, 0.3212



61.8042, 0.3140, 0.2848

# Complementary

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



61.8042, 0.3683, 0.3809



46.7169, 0.2609, 0.2708

# 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.



61.8042, 0.2817, 0.2745



61.8042, 0.3683, 0.3809



61.8042, 0.2499, 0.2934

# Square

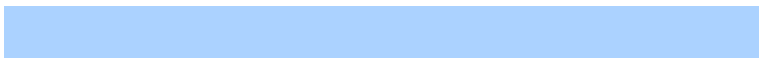
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.8042, 0.3683, 0.3809



61.8042, 0.2776, 0.3536



61.8042, 0.2588, 0.2771



61.8042, 0.3475, 0.3054



# Rectangle

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



61.8042, 0.3683, 0.3809



61.8042, 0.3200, 0.3848



61.8042, 0.2588, 0.2771



61.8042, 0.3026, 0.2801

# Sweetspot

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



61.8070, 0.3683, 0.3809



93.4308, 0.3270, 0.3433



44.2234, 0.3580, 0.2989



19.7787, 0.3294, 0.3457



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.



61.8070, 0.3683, 0.3809



74.9081, 0.3824, 0.3924



73.6044, 0.3528, 0.4093



15.8951, 0.3276, 0.3440



21.5566, 0.5007, 0.4407



1.7677, 0.4857, 0.4526



# Inverse Universe

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



46.7169, 0.2609, 0.2708



52.6922, 0.2488, 0.2557



37.9604, 0.2641, 0.2383



14.7355, 0.2981, 0.3136



6.9591, 0.1655, 0.1158

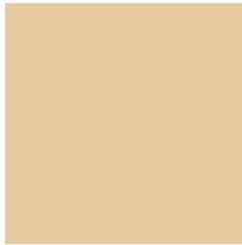


0.6857, 0.1736, 0.1450



# Previews

## White Background



This preview shows how the Yxy color 61.8042, 0.3683, 0.3809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

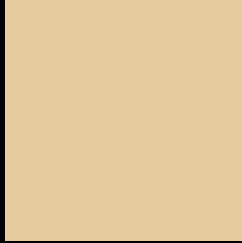
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.8042, 0.3683, 0.3809 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

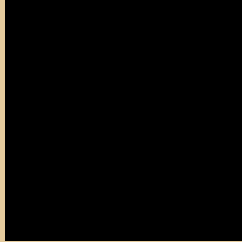
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.8042, 0.3683, 0.3809**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8042, 0.3683, 0.3809.



This preview shows how white text looks on a background with the Yxy color 61.8042, 0.3683, 0.3809.

# 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

61.8042, 0.3683, 0.3809

### Protanopia

61.8269, 0.3591, 0.3844

### Deuteranopia

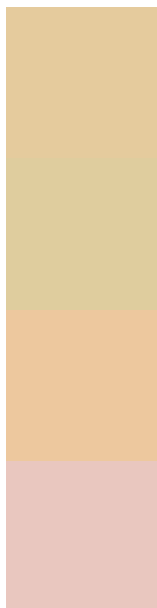
61.7340, 0.3802, 0.3727



## Tritanopia

61.8452, 0.3326, 0.3128

# Trichromacy



## Original Color

61.8042, 0.3683, 0.3809

## Protanomaly

61.8192, 0.3619, 0.3829

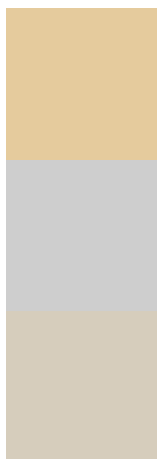
## Deuteranomaly

61.7817, 0.3753, 0.3755

## Tritanomaly

61.9321, 0.3461, 0.3379

# Monochromacy



## Original Color

61.8042, 0.3683, 0.3809

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

61.5896, 0.3320, 0.3487

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8042, 0.3683, 0.3809 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(229, 203, 157)` looks like.

```
.text, #text, p{  
    color:rgb(229, 203, 157)  
}
```

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(229, 203, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 203, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8042, 0.3683, 0.3809 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(229, 203, 157) }
```

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

```
.border{ border-color:rgb(229, 203, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 203, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 203, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 203, 157);  
box-shadow:4px 4px 4px 4px rgb(229, 203,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.8042, 0.3683, 0.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 203, 157) }
```

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

```
.background{ background-color: rgb(229,  
203, 157) }
```

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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