

# Converting Colors

$Yxy(58.2473, 0.3867, 0.4016)$

Have a look what the booklet for  
Yxy(58.2473, 0.3867, 0.4016)  
contains.

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# **Color**

**Yxy(58.4403, 0.3861, 0.4017)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3C686
RGB	227, 198, 134
RGB Percent	89%, 78%, 53%
CMY	0.1099, 0.2235, 0.4745
CMYK	0.00, 0.13, 0.41, 0.11
HSL	41°, 62%, 71%
HSV	41°, 41%, 89%
XYZ	56.1708, 58.4403, 30.8714
YIQ	199.3750, 37.8280, -13.7560

# Conversions

## Conversions Part 2

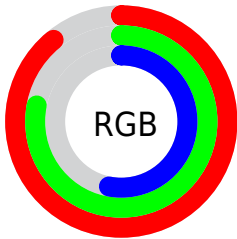
Format	Color
<b>RYB</b>	176, 227, 134
Decimal	14927494
CIELab	80.98, 1.56, 35.82
CIELCh	81, 35.856, 87.503
Yxy	58.4403, 0.3861, 0.4017
Android (android.graphics.Color)	4293117574 (0xFFE3C686)
YUV	199.3750, -32.2299, 24.2271
Hunter-Lab	76.4463, -2.6237, 29.5692

# Details

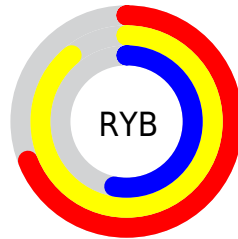
The Yxy color **58.4403, 0.3861, 0.4017** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **36.7940, 0.2430, 0.2430**, and the grayscale version is **57.5390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **29.1171, 0.4042, 0.4186** is the 20% darker color. If you saturate the color by 10%, you get **54.7184, 0.4066, 0.4184**, and if you desaturate by 10%, it is **62.4545, 0.3662, 0.3838**.

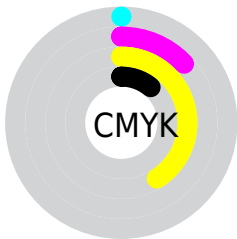
# Distribution



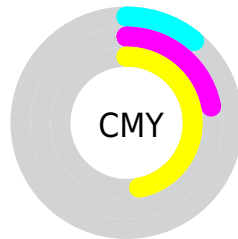
- Red (89%)
- Green (78%)
- Blue (53%)



- Red (69%)
- Yellow (89%)
- Blue (53%)



- Cyan (0%)
- Magenta (13%)
- Yellow (41%)
- Black (11%)




- Cyan (11%)
- Magenta (22%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4403, 0.3861, 0.4017 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 58.4403, 0.3861, 0.4017 by changing the saturation by 10% instead.



 58.4403, 0.3861,  
0.4017


 58.4403, 0.3861,  
0.4017


418.8246, 0.3514,  
0.3676

 42.1627, 0.3940,  
0.4094

 102.5638, 0.3740,  
0.3899

 29.2287, 0.4037,  
0.4188


 131.1784, 0.3693,  
0.3853

 19.2539, 0.4158,  
0.4304


 164.6743, 0.3653,  
0.3813

 11.8539, 0.4309,  
0.4448

203.4357, 0.3618,  
0.3778

 6.6443, 0.4500,  
0.4626

247.8470, 0.3587,  
0.3748

 3.2406, 0.4927,  
0.5034

298.2927, 0.3560,

 1.2586, 0.4973,

0.3721

0.5027

355.1571, 0.3535,  
0.3697

■ 0.1088, 0.5654,  
0.4346

■ 0.0000, 0.0000,  
0.0000

■ 58.4403, 0.3861,  
0.4017

■ 58.4403, 0.3861,  
0.4017

■ 54.7184, 0.4066,  
0.4184

■ 62.4545, 0.3662,  
0.3838

■ 51.2698, 0.4270,  
0.4329


■ 66.7629, 0.3474,  
0.3656


■ 48.0853, 0.4463,  
0.4440


■ 71.3774, 0.3300,  
0.3478

■ 45.1517, 0.4636,  
0.4508

■ 76.3069, 0.3142,  
0.3306

 42.4532, 0.4780,  
0.4525

 81.5597, 0.2999,  
0.3145

 40.1955, 0.4885,  
0.4503

 86.1268, 0.2956,  
0.3142

 90.3817, 0.2957,  
0.3214

 94.8008, 0.2958,  
0.3285

 95.0677, 0.2958,  
0.3290

# Harmonies

## Analogous

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



58.4403, 0.4050, 0.3722



58.4403, 0.3861, 0.4017



58.4403, 0.3479, 0.4132

# Triad

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



58.4403, 0.3861, 0.4017



58.4403, 0.2346, 0.3130



58.4403, 0.3183, 0.2716

# Complementary

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



58.4403, 0.3861, 0.4017



36.7940, 0.2430, 0.2430

# 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.



58.4403, 0.2736, 0.2562



58.4403, 0.3861, 0.4017



58.4403, 0.2280, 0.2764

# Square

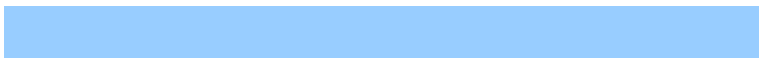
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.4403, 0.3861, 0.4017



58.4403, 0.2608, 0.3591



58.4403, 0.2417, 0.2571



58.4403, 0.3646, 0.2998



# Rectangle

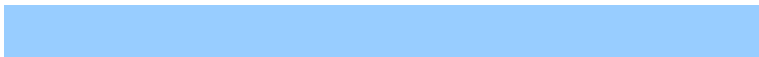
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.4403, 0.3861, 0.4017



58.4403, 0.3173, 0.4061



58.4403, 0.2417, 0.2571



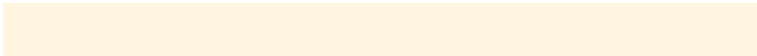
58.4403, 0.3025, 0.2648

# Sweetspot

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



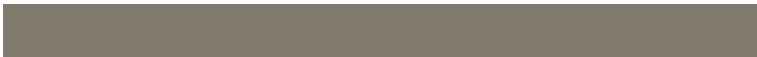
58.4430, 0.3861, 0.4017



92.2515, 0.3319, 0.3497



36.0368, 0.3833, 0.2948



19.5729, 0.3341, 0.3520



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.



58.4430, 0.3861, 0.4017



72.0232, 0.4032, 0.4158



70.3404, 0.3607, 0.4349



16.0199, 0.3275, 0.3451



23.6636, 0.4872, 0.4513



1.9125, 0.4749, 0.4611



# Inverse Universe

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



36.7940, 0.2430, 0.2430



40.3364, 0.2277, 0.2216



29.1772, 0.2497, 0.2073



14.6160, 0.2981, 0.3123



6.0249, 0.1619, 0.1029



0.6063, 0.1700, 0.1319



# Previews

## White Background



This preview shows how the Yxy color 58.4403, 0.3861, 0.4017 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

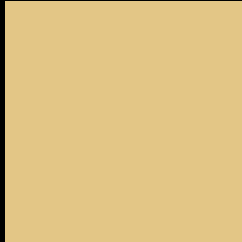
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.4403, 0.3861, 0.4017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

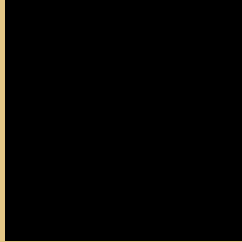
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.4403, 0.3861, 0.4017**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.4403, 0.3861, 0.4017.



This preview shows how white text looks on a background with the Yxy color 58.4403, 0.3861, 0.4017.

# 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

58.4403, 0.3861, 0.4017

### Protanopia

58.4280, 0.3763, 0.4059

### Deuteranopia

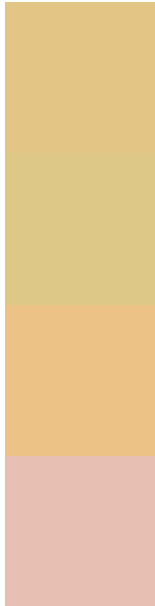
58.1493, 0.4002, 0.3912



## Tritanopia

58.2473, 0.3383, 0.3126

# Trichromacy



**Original Color**

58.4403, 0.3861, 0.4017

**Protanomaly**

58.4300, 0.3793, 0.4041

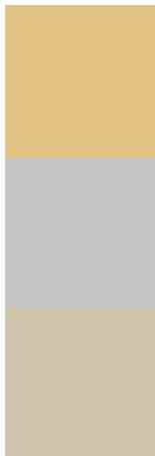
**Deuteranomaly**

58.1657, 0.3950, 0.3943

**Tritanomaly**

57.9429, 0.3556, 0.3438

# Monochromacy



**Original Color**

58.4403, 0.3861, 0.4017

**Achromatopsia**

57.1125, 0.3127, 0.3290

**Achromatomaly**

57.4973, 0.3388, 0.3577

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.4403, 0.3861, 0.4017 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(227, 198, 134)` looks like.

```
.text, #text, p{  
    color:rgb(227, 198, 134)  
}
```

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(227, 198, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 198, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 58.4403, 0.3861, 0.4017 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(227, 198, 134) }
```

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

```
.border{ border-color:rgb(227, 198, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 198, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 198, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 198, 134);  
box-shadow:4px 4px 4px 4px rgb(227, 198,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.4403, 0.3861, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 198, 134) }
```

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

```
.background{ background-color: rgb(227,  
198, 134) }
```

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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