

# Converting Colors

Yxy(59.3068, 0.3901, 0.4019)

Have a look what the booklet for  
Yxy(59.3068, 0.3901, 0.4019)  
contains.

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# Color

**Yxy(59.0705, 0.3903, 0.4018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7C685
RGB	231, 198, 133
RGB Percent	91%, 78%, 52%
CMY	0.0942, 0.2235, 0.4785
CMYK	0.00, 0.14, 0.42, 0.09
HSL	40°, 67%, 71%
HSV	40°, 42%, 91%
XYZ	57.3798, 59.0705, 30.5644
YIQ	200.4570, 40.5330, -13.2190

# Conversions

## Conversions Part 2

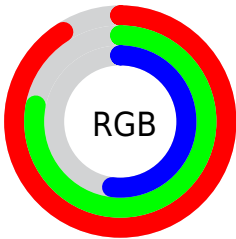
Format	Color
R <sub>Y</sub> B	183, 231, 133
Decimal	15189637
CIE Lab	81.33, 3.05, 36.86
CIE LCh	81, 36.984, 85.263
Yxy	59.0705, 0.3903, 0.4018
Android (android.graphics.Color)	4293379717 (0xFFE7C685)
YUV	200.4570, -33.2563, 26.7862
Hunter-Lab	76.8573, -1.2365, 30.2219

# Details

The Yxy color **59.0705, 0.3903, 0.4018** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **38.0174, 0.2408, 0.2426**, and the grayscale version is **58.2464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3679, 0.3532, 0.3959**, and **29.5544, 0.4097, 0.4182** is the 20% darker color. If you saturate the color by 10%, you get **55.0401, 0.4116, 0.4178**, and if you desaturate by 10%, it is **63.4292, 0.3697, 0.3846**.

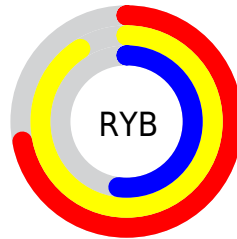
# Distribution



Red (91%)

Green (78%)

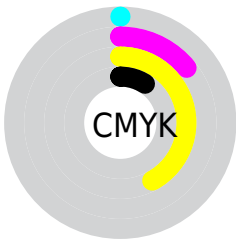
Blue (52%)



Red (72%)

Yellow (91%)

Blue (52%)

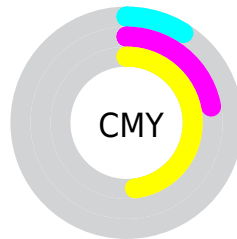


Cyan (0%)

Magenta (14%)

Yellow (42%)

Black (9%)



Cyan (9%)

Magenta (22%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.0705, 0.3903, 0.4018 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 59.0705, 0.3903, 0.4018 by changing the saturation by 10% instead.




 59.0705, 0.3903,  
0.4018

 59.0705, 0.3903,  
0.4018


421.1631, 0.3536,  
0.3679

 42.6699, 0.3986,  
0.4094


 103.4801, 0.3776,  
0.3901

 29.6262, 0.4088,  
0.4185


 132.2579, 0.3726,  
0.3855

 19.5550, 0.4215,  
0.4297


 165.9302, 0.3683,  
0.3816

 12.0720, 0.4374,  
0.4435

204.8814, 0.3646,  
0.3781

 6.7927, 0.4573,  
0.4601

249.4959, 0.3614,  
0.3751

 3.3328, 0.5014,  
0.4986

300.1581, 0.3585,

 1.3079, 0.5065,

0.3724

0.4935

357.2524, 0.3559,  
0.3700

0.1473, 0.5929,  
0.4071

0.0000, 0.0000,  
0.0000

59.0705, 0.3903,  
0.4018

59.0705, 0.3903,  
0.4018

55.0401, 0.4116,  
0.4178

63.4292, 0.3697,  
0.3846

51.3177, 0.4328,  
0.4314


68.1191, 0.3504,  
0.3670


47.8929, 0.4529,  
0.4414

73.1533, 0.3326,  
0.3496


44.7509, 0.4709,  
0.4470

78.5415, 0.3164,  
0.3329

 41.8742, 0.4859,  
0.4474

 84.2930, 0.3019,  
0.3172

 39.8526, 0.4954,  
0.4448

 89.3020, 0.2981,  
0.3186

 94.0961, 0.2981,  
0.3264

 95.7273, 0.2981,  
0.3290

# Harmonies

## Analogous

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



59.0705, 0.4079, 0.3705



59.0705, 0.3903, 0.4018



59.0705, 0.3521, 0.4156

# Triad

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



59.0705, 0.3903, 0.4018



59.0705, 0.2339, 0.3158



59.0705, 0.3147, 0.2685

# Complementary

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



59.0705, 0.3903, 0.4018



38.0174, 0.2408, 0.2426

# 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.



59.0705, 0.2695, 0.2538



59.0705, 0.3903, 0.4018



59.0705, 0.2257, 0.2771

# Square

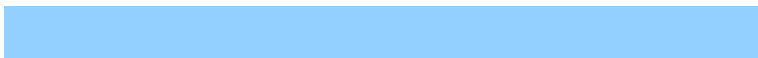
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.0705, 0.3903, 0.4018



59.0705, 0.2621, 0.3634



59.0705, 0.2381, 0.2561



59.0705, 0.3628, 0.2965



# Rectangle

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



59.0705, 0.3903, 0.4018



59.0705, 0.3209, 0.4099



59.0705, 0.2381, 0.2561



59.0705, 0.2987, 0.2619

# Sweetspot

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



59.0733, 0.3903, 0.4018



91.1332, 0.3337, 0.3507



36.5611, 0.3833, 0.2899



19.2003, 0.3375, 0.3545



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.



59.0733, 0.3903, 0.4018



69.4438, 0.4091, 0.4160



73.4827, 0.3647, 0.4378



15.9572, 0.3276, 0.3445



22.5821, 0.4939, 0.4460



1.8385, 0.4803, 0.4569



# Inverse Universe

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



38.0174, 0.2408, 0.2426



39.8470, 0.2250, 0.2206



28.8092, 0.2444, 0.2013



14.6758, 0.2981, 0.3130



6.4738, 0.1637, 0.1092



0.6450, 0.1718, 0.1384



# Previews

## White Background



This preview shows how the Yxy color 59.0705, 0.3903, 0.4018 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 59.0705, 0.3903, 0.4018 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

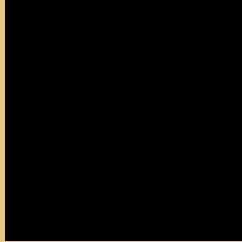
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.0705, 0.3903, 0.4018**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.0705, 0.3903, 0.4018.



This preview shows how white text looks on a background with the Yxy color 59.0705, 0.3903, 0.4018.

# 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

59.0705, 0.3903, 0.4018

### Protanopia

59.0504, 0.3768, 0.4067

### Deuteranopia

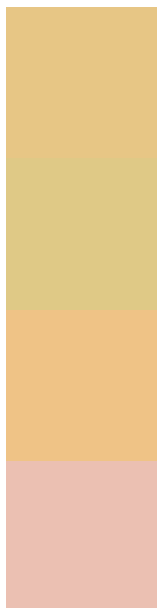
58.9158, 0.4022, 0.3928



## Tritanopia

58.9320, 0.3416, 0.3128

# Trichromacy



## Original Color

59.0705, 0.3903, 0.4018

## Protanomaly

59.1825, 0.3814, 0.4058

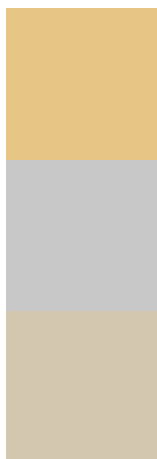
## Deuteranomaly

59.1022, 0.3978, 0.3957

## Tritanomaly

58.5758, 0.3598, 0.3447

# Monochromacy



## Original Color

59.0705, 0.3903, 0.4018

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

57.8303, 0.3397, 0.3563

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.0705, 0.3903, 0.4018 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(231, 198, 133)` looks like.

```
.text, #text, p{  
    color:rgb(231, 198, 133)  
}
```

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(231, 198, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 198, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 59.0705, 0.3903, 0.4018 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(231, 198, 133) }
```

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

```
.border{ border-color:rgb(231, 198, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 198, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 198, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 198, 133); box-shadow:4px 4px 4px 4px rgb(231, 198, 133) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.0705, 0.3903, 0.4018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 198, 133) }
```

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

```
.background{ background-color: rgb(231,  
198, 133) }
```

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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