

# Converting Colors

Yxy(59.8733, 0.3817, 0.4057)

Have a look what the booklet for  
Yxy(59.8733, 0.3817, 0.4057)  
contains.

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# Color

**Yxy(59.8376, 0.3810, 0.4055)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0CA87
RGB	224, 202, 135
RGB Percent	88%, 79%, 53%
CMY	0.1218, 0.2078, 0.4706
CMYK	0.00, 0.10, 0.40, 0.12
HSL	45°, 59%, 70%
HSV	45°, 40%, 88%
XYZ	56.2223, 59.8376, 31.5051
YIQ	200.9400, 34.6190, -16.1730

# Conversions

## Conversions Part 2

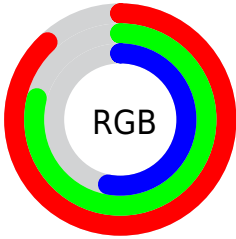
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 224, 135
Decimal	14731911
CIELab	81.75, -1.62, 36.25
CIELCh	82, 36.287, 92.551
Yxy	59.8376, 0.3810, 0.4055
Android (android.graphics.Color)	4292921991 (0xFFE0CA87)
YUV	200.9400, -32.5084, 20.2236
Hunter-Lab	77.3548, -5.6352, 30.0006

# Details

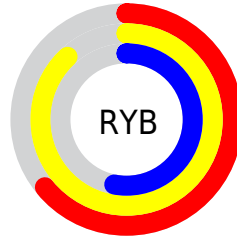
The Yxy color **59.8376, 0.3810, 0.4055** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.6166, 0.2440, 0.2381**, and the grayscale version is **58.5566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4541, 0.3520, 0.3939**, and **30.0354, 0.3969, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **56.7297, 0.3998, 0.4237**, and if you desaturate by 10%, it is **63.1764, 0.3624, 0.3861**.

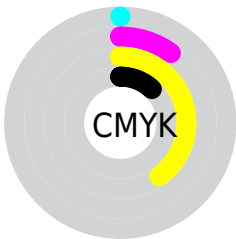
# Distribution



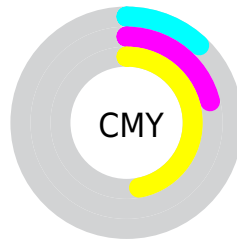
- Red (88%)
- Green (79%)
- Blue (53%)



- Red (64%)
- Yellow (88%)
- Blue (53%)



- Cyan (0%)
- Magenta (10%)
- Yellow (40%)
- Black (12%)




- Cyan (12%)
- Magenta (21%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.8376, 0.3810, 0.4055 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 59.8376, 0.3810, 0.4055 by changing the saturation by 10% instead.





 59.8376, 0.3810,  
0.4055


 59.8376, 0.3810,  
0.4055

423.9989, 0.3490,  
0.3694

 43.2877, 0.3882,  
0.4137


 104.5941, 0.3699,  
0.3929

 30.1110, 0.3970,  
0.4238


 133.5694, 0.3656,  
0.3881

 19.9228, 0.4079,  
0.4363


 167.4555, 0.3619,  
0.3838

 12.3390, 0.4214,  
0.4521

206.6365, 0.3586,  
0.3802

 6.9750, 0.4380,  
0.4719

251.4970, 0.3558,  
0.3770

 3.4464, 0.4736,  
0.5134

302.4213, 0.3532,

 1.3690, 0.4771,

0.3742

0.5229

359.7938, 0.3510,  
0.3716

0.1937, 0.4276,  
0.5724

0.0000, 0.0000,  
0.0000

59.8376, 0.3810,  
0.4055

59.8376, 0.3810,  
0.4055

56.7297, 0.3998,  
0.4237

63.1764, 0.3624,  
0.3861

53.8351, 0.4182,  
0.4396


66.7463, 0.3445,  
0.3665


51.1462, 0.4352,  
0.4523


70.5582, 0.3278,  
0.3471

48.6513, 0.4501,  
0.4608


74.6195, 0.3123,  
0.3285


 46.3368, 0.4621,  
0.4645

 78.9375, 0.2982,  
0.3110


 44.1802, 0.4713,  
0.4638

 82.5587, 0.2936,  
0.3086

 44.1217, 0.4716,  
0.4638

 85.7715, 0.2937,  
0.3144

 89.0833, 0.2938,  
0.3200

 92.4949, 0.2939,  
0.3256

# Harmonies

## Analogous

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



59.8376, 0.4039, 0.3781



59.8376, 0.3810, 0.4055



59.8376, 0.3404, 0.4130

# Triad

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



59.8376, 0.3810, 0.4055



59.8376, 0.2318, 0.3057



59.8376, 0.3264, 0.2753

# Complementary

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



59.8376, 0.3810, 0.4055



34.6166, 0.2440, 0.2381

# 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.



59.8376, 0.2803, 0.2574



59.8376, 0.3810, 0.4055



59.8376, 0.2286, 0.2716

# Square

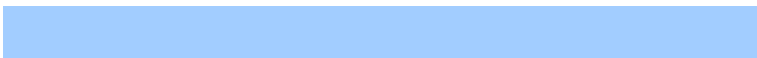
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.8376, 0.3810, 0.4055



59.8376, 0.2550, 0.3514



59.8376, 0.2456, 0.2554



59.8376, 0.3717, 0.3053



# Rectangle

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



59.8376, 0.3810, 0.4055



59.8376, 0.3095, 0.4027



59.8376, 0.2456, 0.2554



59.8376, 0.3104, 0.2678

# Sweetspot

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



59.8404, 0.3810, 0.4055



93.4652, 0.3316, 0.3516



35.6078, 0.3869, 0.3028



19.8595, 0.3338, 0.3542



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.



59.8404, 0.3810, 0.4055



76.7006, 0.3973, 0.4213



67.5500, 0.3547, 0.4333



15.4273, 0.3273, 0.3466



25.8845, 0.4706, 0.4645



1.9321, 0.4610, 0.4721



# Inverse Universe

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



34.6166, 0.2440, 0.2381



38.2870, 0.2276, 0.2141



29.8968, 0.2570, 0.2131



13.7894, 0.2981, 0.3108



4.8874, 0.1580, 0.0887



0.4787, 0.1661, 0.1181



# Previews

## White Background



This preview shows how the Yxy color 59.8376, 0.3810, 0.4055 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 59.8376, 0.3810, 0.4055 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 59.8376, 0.3810, 0.4055**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.8376, 0.3810, 0.4055.



This preview shows how white text looks on a background with the Yxy color 59.8376, 0.3810, 0.4055.

# 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

59.8376, 0.3810, 0.4055

### Protanopia

59.6768, 0.3772, 0.4075

### Deuteranopia

59.4444, 0.3994, 0.3907



## Tritanopia

59.8498, 0.3329, 0.3126

# Trichromacy



**Original Color**

59.8376, 0.3810, 0.4055

**Protanomaly**

59.8333, 0.3781, 0.4072

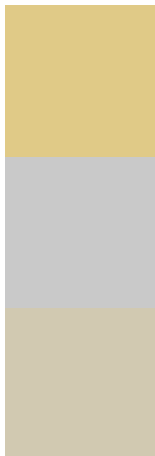
**Deuteranomaly**

59.5429, 0.3928, 0.3964

**Tritanomaly**

59.4741, 0.3514, 0.3460

# Monochromacy



**Original Color**

59.8376, 0.3810, 0.4055

**Achromatopsia**

58.4078, 0.3127, 0.3290

**Achromatomaly**

58.5029, 0.3369, 0.3576

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.8376, 0.3810, 0.4055 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(224, 202, 135)` looks like.

```
.text, #text, p{  
    color:rgb(224, 202, 135)  
}
```

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(224, 202, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 202, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 59.8376, 0.3810, 0.4055 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(224, 202, 135) }
```

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

```
.border{ border-color:rgb(224, 202, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 202, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 202, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 202, 135); box-shadow:4px 4px 4px 4px rgb(224, 202, 135) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.8376, 0.3810, 0.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 202, 135) }
```

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

```
.background{ background-color: rgb(224,  
202, 135) }
```

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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