

# Converting Colors

Yxy(51.6013, 0.3888, 0.3855)

Have a look what the booklet for  
Yxy(51.6013, 0.3888, 0.3855)  
contains.

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# **Color**

**Yxy(51.4635, 0.3895, 0.3851)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0B787
RGB	224, 183, 135
RGB Percent	88%, 72%, 53%
CMY	0.1215, 0.2824, 0.4705
CMYK	0.00, 0.18, 0.40, 0.12
HSL	32°, 59%, 70%
HSV	32°, 40%, 88%
XYZ	52.0515, 51.4635, 30.1217
YIQ	189.7870, 39.8440, -6.2360

# Conversions

## Conversions Part 2

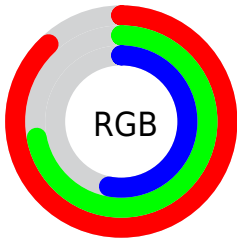
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	211, 224, 135
Decimal	14727047
CIE Lab	76.96, 8.39, 29.96
CIE LCh	77, 31.109, 74.356
Yxy	51.4635, 0.3895, 0.3851
Android (android.graphics.Color)	4292917127 (0xFFE0B787)
YUV	189.7870, -27.0100, 30.0048
Hunter-Lab	71.7381, 3.9739, 25.3217

# Details

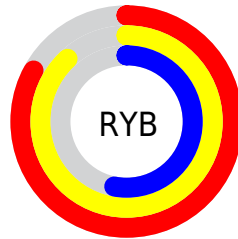
The Yxy color **51.4635, 0.3895, 0.3851** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **41.6030, 0.2482, 0.2648**, and the grayscale version is **51.5077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6671, 0.3557, 0.3792**, and **24.8366, 0.4094, 0.3978** is the 20% darker color. If you saturate the color by 10%, you get **46.7954, 0.4140, 0.3987**, and if you desaturate by 10%, it is **56.5816, 0.3669, 0.3707**.

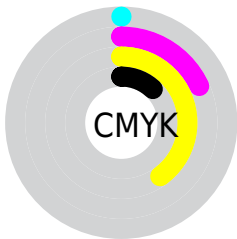
# Distribution



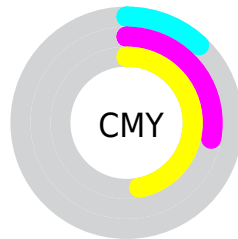
- Red (88%)
- Green (72%)
- Blue (53%)



- Red (83%)
- Yellow (88%)
- Blue (53%)



- Cyan (0%)
- Magenta (18%)
- Yellow (40%)
- Black (12%)




- Cyan (12%)
- Magenta (28%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4635, 0.3895, 0.3851 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 51.4635, 0.3895, 0.3851 by changing the saturation by 10% instead.





 51.4635, 0.3895,  
0.3851


 51.4635, 0.3895,  
0.3851


392.3619, 0.3519,  
0.3586


 36.5776, 0.3985,  
0.3911


 92.3395, 0.3761,  
0.3759

 24.8806, 0.4098,  
0.3984


 119.0985, 0.3710,  
0.3723

 15.9881, 0.4242,  
0.4074


 150.5839, 0.3666,  
0.3693

 9.5158, 0.4433,  
0.4185

187.1802, 0.3628,  
0.3666

 5.0791, 0.4688,  
0.4319

229.2717, 0.3596,  
0.3642

 2.2937, 0.5303,  
0.4697

277.2429, 0.3567,

 0.7704, 0.5498,

0.3621

0.4502

331.4782, 0.3541,  
0.3603

0.0000, 0.0000,  
0.0000

51.4635, 0.3895,  
0.3851

51.4635, 0.3895,  
0.3851

46.7954, 0.4140,  
0.3987

56.5816, 0.3669,  
0.3707

42.5552, 0.4397,  
0.4105

62.1567, 0.3465,  
0.3561

38.7288, 0.4656,  
0.4192

68.2045, 0.3283,  
0.3420

35.2986, 0.4902,  
0.4236

74.7376, 0.3123,  
0.3286

32.2446, 0.5121,  
0.4227

81.7683, 0.2982,  
0.3161

■ 29.5374, 0.5305,  
0.4168

■ 88.3430, 0.2938,  
0.3188

■ 29.4665, 0.5310,  
0.4166

■ 94.5893, 0.2940,  
0.3289

# Harmonies

## Analogous

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



51.4635, 0.3963, 0.3545



51.4635, 0.3895, 0.3851



51.4635, 0.3616, 0.4033

# Triad

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



51.4635, 0.3895, 0.3851



51.4635, 0.2501, 0.3327



51.4635, 0.2993, 0.2687

# Complementary

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



51.4635, 0.3895, 0.3851



41.6030, 0.2482, 0.2648

# 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.



51.4635, 0.2626, 0.2609



51.4635, 0.3895, 0.3851



51.4635, 0.2358, 0.2945

# Square

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



51.4635, 0.3895, 0.3851



51.4635, 0.2810, 0.3732



51.4635, 0.2403, 0.2694



51.4635, 0.3421, 0.2899



# Rectangle

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



51.4635, 0.3895, 0.3851



51.4635, 0.3356, 0.4039



51.4635, 0.2403, 0.2694



51.4635, 0.2859, 0.2644

# Sweetspot

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



51.4659, 0.3895, 0.3851



89.5127, 0.3324, 0.3453



36.3419, 0.3652, 0.2806



18.9274, 0.3348, 0.3471



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.



51.4659, 0.3895, 0.3851



63.5984, 0.4105, 0.3969



70.4475, 0.3697, 0.4279



14.9184, 0.3279, 0.3416



17.3822, 0.5288, 0.4183



1.3834, 0.5074, 0.4353

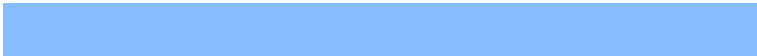


# Inverse Universe

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



41.6030, 0.2482, 0.2648



48.5758, 0.2340, 0.2478



28.1213, 0.2416, 0.2084



14.2792, 0.2981, 0.3160



9.0319, 0.1738, 0.1456



0.8037, 0.1819, 0.1749



# Previews

## White Background



This preview shows how the Yxy color 51.4635, 0.3895, 0.3851 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

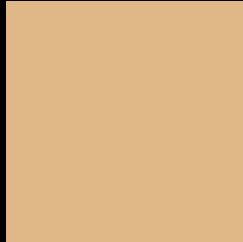
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.4635, 0.3895, 0.3851 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

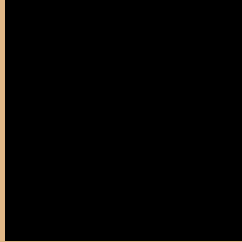
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.4635, 0.3895, 0.3851**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.4635, 0.3895, 0.3851.



This preview shows how white text looks on a background with the Yxy color 51.4635, 0.3895, 0.3851.

# 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

51.4635, 0.3895, 0.3851

### Protanopia

51.6410, 0.3670, 0.3933

### Deuteranopia

51.3739, 0.3918, 0.3836



## Tritanopia

51.5478, 0.3497, 0.3144

# Trichromacy



## Original Color

51.4635, 0.3895, 0.3851

## Protanomaly

51.3438, 0.3752, 0.3897

## Deuteranomaly

51.2127, 0.3909, 0.3838

## Tritanomaly

51.5988, 0.3650, 0.3407

# Monochromacy



## Original Color

51.4635, 0.3895, 0.3851

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

50.9995, 0.3390, 0.3501

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4635, 0.3895, 0.3851 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, 183, 135)` looks like.

```
.text, #text, p{  
    color:rgb(224, 183, 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, 183, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 183, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4635, 0.3895, 0.3851 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, 183, 135) }
```

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

```
.border{ border-color:rgb(224, 183, 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, 183, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 183, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 183, 135);  
box-shadow:4px 4px 4px 4px rgb(224, 183,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4635, 0.3895, 0.3851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 183, 135) }
```

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

```
.background{ background-color: rgb(224,  
183, 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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