

# Converting Colors

Yxy(51.5317, 0.3804, 0.3718)

Have a look what the booklet for  
Yxy(51.5317, 0.3804, 0.3718)  
contains.

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# Color

**Yxy(51.3785, 0.3805, 0.3713)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0B692
RGB	224, 182, 146
RGB Percent	88%, 71%, 57%
CMY	0.1217, 0.2862, 0.4274
CMYK	0.00, 0.19, 0.35, 0.12
HSL	28°, 56%, 73%
HSV	28°, 35%, 88%
XYZ	52.6515, 51.3785, 34.3446
YIQ	190.4540, 36.5880, -2.2920

# Conversions

## Conversions Part 2

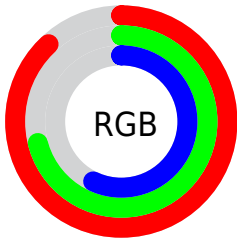
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 213, 146
Decimal	14726802
CIE Lab	76.91, 10.18, 24.04
CIE LCh	77, 26.107, 67.061
Yxy	51.3785, 0.3805, 0.3713
Android (android.graphics.Color)	4292916882 (0xFFE0B692)
YUV	190.4540, -21.9158, 29.4198
Hunter-Lab	71.6788, 5.6790, 21.7666

# Details

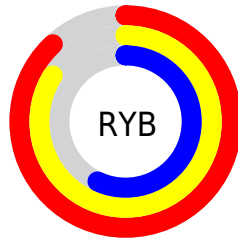
The Yxy color  $51.3785, 0.3805, 0.3713$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $47.4509, 0.2575, 0.2822$ , and the grayscale version is  $51.8821, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.5792, 0.3487, 0.3671$ , and  $24.7422, 0.3987, 0.3816$  is the 20% darker color. If you saturate the color by 10%, you get  $46.0229, 0.4060, 0.3835$ , and if you desaturate by 10%, it is  $57.3006, 0.3577, 0.3587$ .

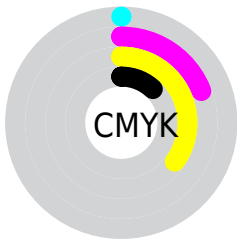
# Distribution



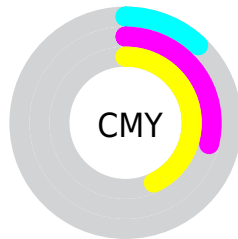
- Red (88%)
- Green (71%)
- Blue (57%)



- Red (88%)
- Yellow (84%)
- Blue (57%)



- Cyan (0%)
- Magenta (19%)
- Yellow (35%)
- Black (12%)




- Cyan (12%)
- Magenta (29%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3785, 0.3805, 0.3713 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 51.3785, 0.3805, 0.3713 by changing the saturation by 10% instead.





 51.3785, 0.3805,  
0.3713


 51.3785, 0.3805,  
0.3713


392.0326, 0.3471,  
0.3514

 36.5099, 0.3886,  
0.3758


 92.2140, 0.3685,  
0.3644

 24.8283, 0.3989,  
0.3814


 118.9497, 0.3639,  
0.3617

 15.9492, 0.4123,  
0.3884


150.4100, 0.3601,  
0.3593

 9.4882, 0.4302,  
0.3971

186.9791, 0.3567,  
0.3573

 5.0610, 0.4554,  
0.4080

229.0415, 0.3538,  
0.3556

 2.2831, 0.5029,  
0.4298

276.9817, 0.3513,

 0.7647, 0.5623,

0.3540

0.4377

331.1839, 0.3491,  
0.3526

0.0000, 0.0000,  
0.0000

51.3785, 0.3805,  
0.3713

51.3785, 0.3805,  
0.3713

46.0229, 0.4060,  
0.3835

57.3006, 0.3577,  
0.3587

41.2079, 0.4337,  
0.3945

63.7996, 0.3377,  
0.3463

36.9160, 0.4630,  
0.4032

70.8947, 0.3203,  
0.3344

33.1257, 0.4922,  
0.4081

78.6019, 0.3051,  
0.3233

29.8133, 0.5196,  
0.4082

86.7412, 0.2937,  
0.3160

■ 26.9519, 0.5431,  
0.4028

■ 94.1673, 0.2940,  
0.3283

■ 25.6266, 0.5539,  
0.3984

■ 94.5828, 0.2940,  
0.3289

# Harmonies

## Analogous

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



51.3785, 0.3809, 0.3442



51.3785, 0.3805, 0.3713



51.3785, 0.3611, 0.3892

# Triad

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



51.3785, 0.3805, 0.3713



51.3785, 0.2651, 0.3409



51.3785, 0.2933, 0.2749

# Complementary

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



51.3785, 0.3805, 0.3713



47.4509, 0.2575, 0.2822

# 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.



51.3785, 0.2645, 0.2717



51.3785, 0.3805, 0.3713



51.3785, 0.2490, 0.3075

# Square

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



51.3785, 0.3805, 0.3713



51.3785, 0.2941, 0.3726



51.3785, 0.2488, 0.2828



51.3785, 0.3289, 0.2905



# Rectangle

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



51.3785, 0.3805, 0.3713



51.3785, 0.3407, 0.3924



51.3785, 0.2488, 0.2828



51.3785, 0.2825, 0.2723

# Sweetspot

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



51.3809, 0.3805, 0.3713



90.0183, 0.3291, 0.3406



40.0770, 0.3499, 0.2794



18.9816, 0.3316, 0.3423



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.



51.3809, 0.3805, 0.3713



63.4878, 0.3994, 0.3806



69.1443, 0.3663, 0.4116



14.7383, 0.3280, 0.3399



15.1454, 0.5513, 0.4004



1.2275, 0.5258, 0.4207

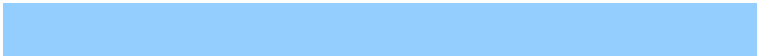


# Inverse Universe

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



47.4509, 0.2575, 0.2822



57.4315, 0.2456, 0.2702



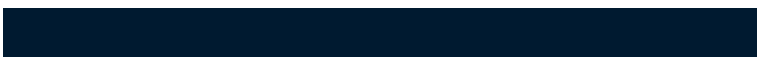
33.2804, 0.2505, 0.2303



14.4593, 0.2981, 0.3179



11.2642, 0.1809, 0.1713



0.9594, 0.1882, 0.1976



# Previews

## White Background



This preview shows how the Yxy color 51.3785, 0.3805, 0.3713 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 51.3785, 0.3805, 0.3713 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

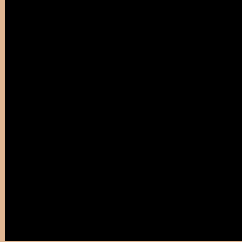
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.3785, 0.3805, 0.3713**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.3785, 0.3805, 0.3713.



This preview shows how white text looks on a background with the Yxy color 51.3785, 0.3805, 0.3713.

# 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

51.3785, 0.3805, 0.3713

### Protanopia

51.5855, 0.3546, 0.3789

### Deuteranopia

51.2192, 0.3796, 0.3715



## Tritanopia

51.4264, 0.3480, 0.3132

# Trichromacy



**Original Color**

51.3785, 0.3805, 0.3713

**Protanomaly**

51.4122, 0.3635, 0.3755

**Deuteranomaly**

51.2192, 0.3796, 0.3715

**Tritanomaly**

51.2277, 0.3599, 0.3338

# Monochromacy



**Original Color**

51.3785, 0.3805, 0.3713

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

51.1532, 0.3358, 0.3451

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.3785, 0.3805, 0.3713 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, 182, 146)` looks like.

```
.text, #text, p{  
    color:rgb(224, 182, 146)  
}
```

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, 182, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 182, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 51.3785, 0.3805, 0.3713 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, 182, 146) }
```

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

```
.border{ border-color:rgb(224, 182, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 182, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 182, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 182, 146);  
box-shadow:4px 4px 4px 4px rgb(224, 182,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.3785, 0.3805, 0.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 182, 146) }
```

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

```
.background{ background-color: rgb(224,  
182, 146) }
```

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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