

# Converting Colors

$Yxy(50.9732, 0.3891, 0.3780)$

Have a look what the booklet for  
Yxy(50.9732, 0.3891, 0.3780)  
contains.

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# Color

**Yxy(51.0806, 0.3888, 0.3780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2B58B
RGB	226, 181, 139
RGB Percent	89%, 71%, 55%
CMY	0.1139, 0.2901, 0.4549
CMYK	0.00, 0.20, 0.38, 0.11
HSL	29°, 60%, 72%
HSV	29°, 38%, 89%
XYZ	52.5400, 51.0806, 31.5132
YIQ	189.6670, 40.3020, -3.5220

# Conversions

## Conversions Part 2

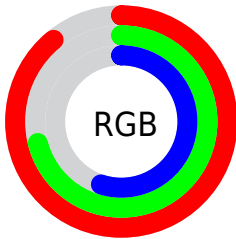
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 220, 139
Decimal	14857611
CIE <sub>Lab</sub>	76.73, 10.66, 27.58
CIE <sub>LCh</sub>	77, 29.570, 68.867
Yxy	51.0806, 0.3888, 0.3780
Android (android.graphics.Color)	4293047691 (0xFFE2B58B)
YUV	189.6670, -24.9788, 31.8640
Hunter-Lab	71.4707, 6.1465, 23.8870

# Details

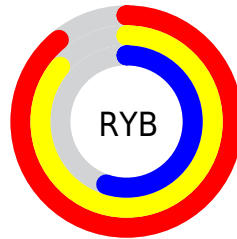
The Yxy color **51.0806, 0.3888, 0.3780** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.2341, 0.2512, 0.2738**, and the grayscale version is **51.4197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6786, 0.3535, 0.3733**, and **24.5946, 0.4088, 0.3885** is the 20% darker color. If you saturate the color by 10%, you get **45.9369, 0.4146, 0.3904**, and if you desaturate by 10%, it is **56.7638, 0.3654, 0.3649**.

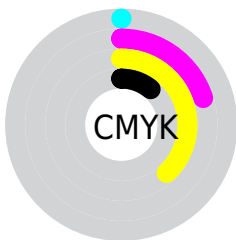
# Distribution



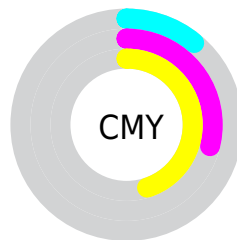
- Red (89%)
- Green (71%)
- Blue (55%)



- Red (89%)
- Yellow (86%)
- Blue (55%)



- Cyan (0%)
- Magenta (20%)
- Yellow (38%)
- Black (11%)




- Cyan (11%)
- Magenta (29%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0806, 0.3888, 0.3780 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 51.0806, 0.3888, 0.3780 by changing the saturation by 10% instead.





 51.0806, 0.3888,  
0.3780


 51.0806, 0.3888,  
0.3780


390.8769, 0.3513,  
0.3550


 36.2728, 0.3979,  
0.3832


 91.7739, 0.3754,  
0.3700

 24.6449, 0.4092,  
0.3895


 118.4282, 0.3703,  
0.3669

 15.8127, 0.4240,  
0.3972


 149.8000, 0.3659,  
0.3643

 9.3917, 0.4436,  
0.4067

186.2738, 0.3622,  
0.3619

 4.9976, 0.4705,  
0.4181

228.2340, 0.3589,  
0.3599

 2.2458, 0.5323,  
0.4501

276.0650, 0.3561,

 0.7448, 0.5668,

0.3581

0.4332

330.1511, 0.3536,  
0.3565

0.0000, 0.0000,  
0.0000

51.0806, 0.3888,  
0.3780

51.0806, 0.3888,  
0.3780

45.9369, 0.4146,  
0.3904

56.7638, 0.3654,  
0.3649

41.3071, 0.4423,  
0.4012

62.9963, 0.3446,  
0.3518

37.1744, 0.4707,  
0.4091

69.7969, 0.3264,  
0.3392

33.5173, 0.4985,  
0.4129

77.1808, 0.3105,  
0.3273

30.3123, 0.5235,  
0.4114

85.1631, 0.2966,  
0.3162

■ 27.5293, 0.5446,  
0.4046

■ 92.4322, 0.2951,  
0.3250

■ 27.1410, 0.5476,  
0.4034

■ 94.9035, 0.2952,  
0.3289

# Harmonies

## Analogous

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



51.0806, 0.3909, 0.3477



51.0806, 0.3888, 0.3780



51.0806, 0.3655, 0.3980

# Triad

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



51.0806, 0.3888, 0.3780



51.0806, 0.2573, 0.3400



51.0806, 0.2928, 0.2689

# Complementary

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



51.0806, 0.3888, 0.3780



45.2341, 0.2512, 0.2738

# 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.



51.0806, 0.2598, 0.2642



51.0806, 0.3888, 0.3780



51.0806, 0.2404, 0.3022

# Square

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



51.0806, 0.3888, 0.3780



51.0806, 0.2892, 0.3770



51.0806, 0.2413, 0.2754



51.0806, 0.3334, 0.2871



# Rectangle

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



51.0806, 0.3888, 0.3780



51.0806, 0.3418, 0.4011



51.0806, 0.2413, 0.2754



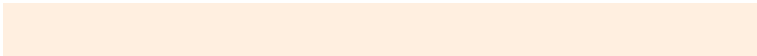
51.0806, 0.2805, 0.2657

# Sweetspot

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



51.0830, 0.3888, 0.3780



88.5055, 0.3326, 0.3436



38.1456, 0.3568, 0.2756



18.6905, 0.3350, 0.3453



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.



51.0830, 0.3888, 0.3780



61.8391, 0.4088, 0.3878



70.8392, 0.3714, 0.4215



14.7881, 0.3280, 0.3404



15.7244, 0.5451, 0.4054



1.2686, 0.5206, 0.4248



# Inverse Universe

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



45.2341, 0.2512, 0.2738



53.1324, 0.2388, 0.2602



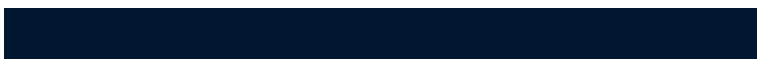
30.2915, 0.2425, 0.2159



14.4091, 0.2981, 0.3174



10.6029, 0.1789, 0.1640



0.9141, 0.1865, 0.1912



# Previews

## White Background



This preview shows how the Yxy color 51.0806, 0.3888, 0.3780 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 51.0806, 0.3888, 0.3780 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 51.0806, 0.3888, 0.3780**

## Background



This preview shows how black text looks on a background with the Yxy color 51.0806, 0.3888, 0.3780.



This preview shows how white text looks on a background with the Yxy color 51.0806, 0.3888, 0.3780.

# 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

51.0806, 0.3888, 0.3780

### Protanopia

51.0749, 0.3615, 0.3864

### Deuteranopia

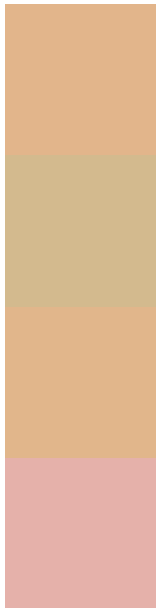
51.1673, 0.3866, 0.3794



## Tritanopia

50.8919, 0.3519, 0.3133

# Trichromacy



**Original Color**

51.0806, 0.3888, 0.3780

**Protanomaly**

50.9197, 0.3706, 0.3827

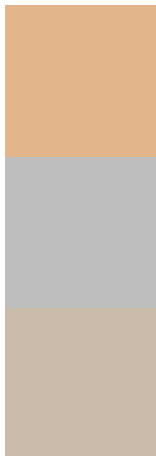
**Deuteranomaly**

51.3275, 0.3875, 0.3793

**Tritanomaly**

51.0046, 0.3655, 0.3372

# Monochromacy



**Original Color**

51.0806, 0.3888, 0.3780

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

51.1774, 0.3391, 0.3488

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0806, 0.3888, 0.3780 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(226, 181, 139)` looks like.

```
.text, #text, p{  
    color:rgb(226, 181, 139)  
}
```

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(226, 181, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 181, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0806, 0.3888, 0.3780 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(226, 181, 139) }
```

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

```
.border{ border-color:rgb(226, 181, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 181, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 181, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 181, 139); box-shadow:4px 4px 4px 4px rgb(226, 181, 139) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0806, 0.3888, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 181, 139) }
```

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

```
.background{ background-color: rgb(226,  
181, 139) }
```

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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