

# Converting Colors

Yxy(52.9198, 0.4132, 0.4012)

Have a look what the booklet for  
Yxy(52.9198, 0.4132, 0.4012)  
contains.

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# Color

**Yxy(52.8371, 0.4133, 0.4010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBB776
RGB	235, 183, 118
RGB Percent	92%, 72%, 46%
CMY	0.0785, 0.2823, 0.5372
CMYK	0.00, 0.22, 0.50, 0.08
HSL	33°, 74%, 69%
HSV	33°, 50%, 92%
XYZ	54.4578, 52.8371, 24.4685
YIQ	191.1380, 51.8570, -9.1910

# Conversions

## Conversions Part 2

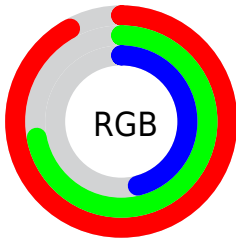
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 235, 118
Decimal	15447926
CIE <sub>Lab</sub>	77.78, 11.06, 40.09
CIE <sub>LCh</sub>	78, 41.592, 74.573
Yxy	52.8371, 0.4133, 0.4010
Android (android.graphics.Color)	4293638006 (0xFFEBB776)
YUV	191.1380, -36.0570, 38.4670
Hunter-Lab	72.6891, 6.5240, 30.9243

# Details

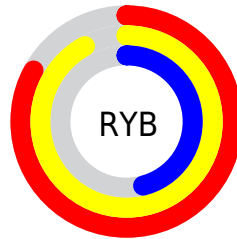
The Yxy color **52.8371, 0.4133, 0.4010** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **38.5824, 0.2309, 0.2419**, and the grayscale version is **52.3758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9333, 0.3673, 0.3973**, and **25.7297, 0.4388, 0.4157** is the 20% darker color. If you saturate the color by 10%, you get **48.2011, 0.4385, 0.4131**, and if you desaturate by 10%, it is **57.9366, 0.3892, 0.3870**.

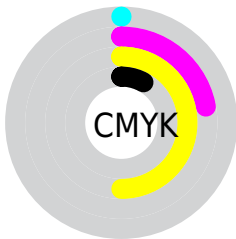
# Distribution



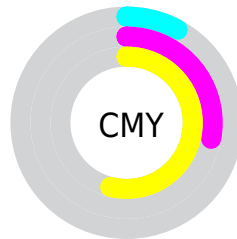
- Red (92%)
- Green (72%)
- Blue (46%)



- Red (83%)
- Yellow (92%)
- Blue (46%)



- Cyan (0%)
- Magenta (22%)
- Yellow (50%)
- Black (8%)




- Cyan (8%)
- Magenta (28%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8371, 0.4133, 0.4010 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 52.8371, 0.4133, 0.4010 by changing the saturation by 10% instead.




 52.8371, 0.4133,  
0.4010

 52.8371, 0.4133,  
0.4010


397.6598, 0.3648,  
0.3681

 37.6727, 0.4245,  
0.4080


 94.3646, 0.3963,  
0.3899

 25.7288, 0.4383,  
0.4162


 121.4966, 0.3897,  
0.3855

 16.6209, 0.4554,  
0.4257


 153.3865, 0.3840,  
0.3816

 9.9645, 0.4769,  
0.4362

190.4188, 0.3791,  
0.3783

 5.3755, 0.5059,  
0.4486

232.9779, 0.3749,  
0.3753

 2.4692, 0.5421,  
0.4579

281.4482, 0.3711,

 0.8612, 0.5639,

0.3726

0.4361

336.2140, 0.3677,  
0.3703

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.8371, 0.4133,  
0.4010

52.8371, 0.4133,  
0.4010

48.2011, 0.4385,  
0.4131

57.9366, 0.3892,  
0.3870

44.0037, 0.4637,  
0.4221

63.5080, 0.3668,  
0.3721


40.2281, 0.4875,  
0.4267


69.5691, 0.3466,  
0.3571


36.8527, 0.5085,  
0.4261

76.1341, 0.3284,  
0.3425

 33.8462, 0.5260,  
0.4204

 83.2165, 0.3124,  
0.3287

 33.7834, 0.5264,  
0.4203

 90.5697, 0.3005,  
0.3197

 96.3974, 0.3005,  
0.3290

# Harmonies

## Analogous

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



52.8371, 0.4236, 0.3604



52.8371, 0.4133, 0.4010



52.8371, 0.3755, 0.4274

# Triad

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



52.8371, 0.4133, 0.4010



52.8371, 0.2307, 0.3324



52.8371, 0.2947, 0.2515

# Complementary

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



52.8371, 0.4133, 0.4010



38.5824, 0.2309, 0.2419

# 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.



52.8371, 0.2474, 0.2411



52.8371, 0.4133, 0.4010



52.8371, 0.2132, 0.2819

# Square

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



52.8371, 0.4133, 0.4010



52.8371, 0.2698, 0.3883



52.8371, 0.2191, 0.2506



52.8371, 0.3516, 0.2785



# Rectangle

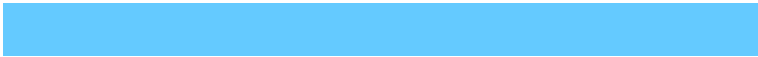
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.8371, 0.4133, 0.4010



52.8371, 0.3411, 0.4298



52.8371, 0.2191, 0.2506



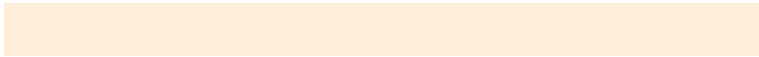
52.8371, 0.2772, 0.2460

# Sweetspot

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



52.8396, 0.4133, 0.4010



87.4117, 0.3377, 0.3502



33.5418, 0.3879, 0.2708



18.3552, 0.3416, 0.3533



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.



52.8396, 0.4133, 0.4010



57.7772, 0.4397, 0.4136



77.3872, 0.3812, 0.4516



16.4426, 0.3279, 0.3421



19.0657, 0.5242, 0.4220



1.6885, 0.5057, 0.4367

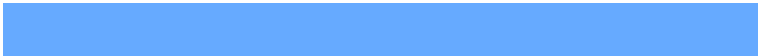


# Inverse Universe

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



38.5824, 0.2309, 0.2419



38.7790, 0.2144, 0.2194



23.2284, 0.2213, 0.1727



15.6503, 0.2980, 0.3156



9.1371, 0.1722, 0.1399



0.9066, 0.1796, 0.1666



# Previews

## White Background



This preview shows how the Yxy color 52.8371, 0.4133, 0.4010 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 52.8371, 0.4133, 0.4010 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 52.8371, 0.4133, 0.4010**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.8371, 0.4133, 0.4010.



This preview shows how white text looks on a background with the Yxy color 52.8371, 0.4133, 0.4010.

# 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

52.8371, 0.4133, 0.4010

### Protanopia

53.2467, 0.3826, 0.4143

### Deuteranopia

52.9126, 0.4110, 0.4026



## Tritanopia

52.6037, 0.3608, 0.3138

# Trichromacy



**Original Color**

52.8371, 0.4133, 0.4010

**Protanomaly**

52.8357, 0.3934, 0.4086

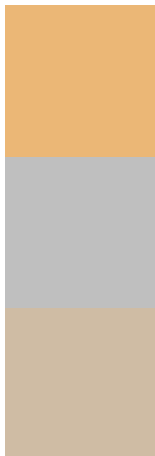
**Deuteranomaly**

53.0814, 0.4119, 0.4023

**Tritanomaly**

52.4393, 0.3809, 0.3448

# Monochromacy



**Original Color**

52.8371, 0.4133, 0.4010

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

51.9122, 0.3481, 0.3585

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.8371, 0.4133, 0.4010 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(235, 183, 118)` looks like.

```
.text, #text, p{  
    color:rgb(235, 183, 118)  
}
```

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(235, 183, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 183, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 52.8371, 0.4133, 0.4010 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(235, 183, 118) }
```

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

```
.border{ border-color:rgb(235, 183, 118) }
```

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

Here you see how a box with a 4 pixel rgb(235, 183, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 183, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 183, 118);  
box-shadow:4px 4px 4px 4px rgb(235, 183,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.8371, 0.4133, 0.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 183, 118) }
```

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

```
.background{ background-color: rgb(235,  
183, 118) }
```

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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