

# Converting Colors

$Yxy(81.0682, 0.3488, 0.3854)$

Have a look what the booklet for  
Yxy(81.0682, 0.3488, 0.3854)  
contains.

<b>Yxy(80.9712, 0.3489, 0.3848)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(80.9712, 0.3489, 0.3848)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEEEBB6
RGB	238, 235, 182
RGB Percent	93%, 92%, 71%
CMY	0.0666, 0.0784, 0.2861
CMYK	0.00, 0.01, 0.24, 0.07
HSL	57°, 62%, 82%
HSV	57°, 24%, 93%
XYZ	73.4170, 80.9712, 56.0359
YIQ	229.8550, 18.8010, -15.8470

# Conversions

## Conversions Part 2

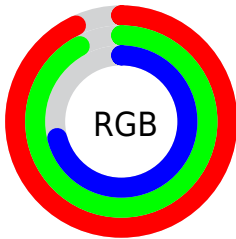
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	185, 238, 182
Decimal	15657910
CIE <sub>Lab</sub>	92.12, -7.27, 26.14
CIE <sub>LCh</sub>	92, 27.128, 105.535
Yxy	80.9712, 0.3489, 0.3848
Android (android.graphics.Color)	4293847990 (0xFFEEEEBB6)
YUV	229.8550, -23.5925, 7.1432
Hunter-Lab	89.9840, -11.8358, 26.0670

# Details

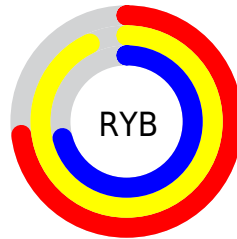
The Yxy color **80.9712, 0.3489, 0.3848** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.8416, 0.2729, 0.2663**, and the grayscale version is **79.1901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **43.7703, 0.3570, 0.3969** is the 20% darker color. If you saturate the color by 10%, you get **79.3427, 0.3646, 0.4086**, and if you desaturate by 10%, it is **82.7795, 0.3332, 0.3607**.

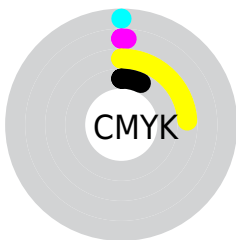
# Distribution



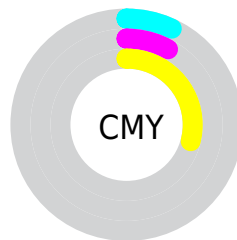
- Red (93%)
- Green (92%)
- Blue (71%)



- Red (73%)
- Yellow (93%)
- Blue (71%)



- Cyan (0%)
- Magenta (1%)
- Yellow (24%)
- Black (7%)



- Cyan (7%)
- Magenta (8%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9712, 0.3489, 0.3848 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 80.9712, 0.3489, 0.3848 by changing the saturation by 10% instead.





 80.9712, 0.3489,  
0.3848

 80.9712, 0.3489,  
0.3848


498.1998, 0.3328,  
0.3592

 60.5179, 0.3524,  
0.3906


 134.7303, 0.3434,  
0.3760

 43.8362, 0.3566,  
0.3976


168.8049, 0.3413,  
0.3725

 30.5418, 0.3619,  
0.4065


208.1887, 0.3394,  
0.3696

 20.2502, 0.3684,  
0.4178

253.2662, 0.3377,  
0.3670

 12.5770, 0.3767,  
0.4329

304.4216, 0.3363,  
0.3647

 7.1379, 0.3875,  
0.4537

362.0394, 0.3350,

 3.5485, 0.4016,

0.3626

0.4840

426.5040, 0.3338,  
0.3608

■ 1.4244, 0.4412,  
0.5588

■ 0.2346, 0.1627,  
0.8373

■ 80.9712, 0.3489,  
0.3848

■ 80.9712, 0.3489,  
0.3848

■ 79.3427, 0.3646,  
0.4086

■ 82.7795, 0.3332,  
0.3607

■ 77.8747, 0.3798,  
0.4312


■ 84.7645, 0.3179,  
0.3371

■ 76.5615, 0.3937,  
0.4517


■ 86.9373, 0.3034,  
0.3144

■ 75.3930, 0.4059,  
0.4691


■ 87.7883, 0.3025,  
0.3142

 74.3579, 0.4157,  
0.4825


 88.5447, 0.3025,  
0.3155


 73.4429, 0.4229,  
0.4915

 89.3064, 0.3024,  
0.3168

 72.6321, 0.4274,  
0.4962

 90.0734, 0.3024,  
0.3181

 72.1461, 0.4292,  
0.4974

 90.8458, 0.3024,  
0.3193

 91.6235, 0.3024,  
0.3206

# Harmonies

## Analogous

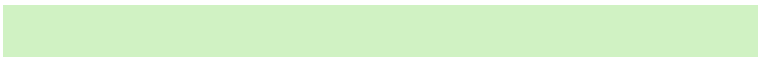
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9712, 0.3700, 0.3727



80.9712, 0.3489, 0.3848



80.9712, 0.3187, 0.3809

# Triad

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



80.9712, 0.3489, 0.3848



80.9712, 0.2539, 0.3027



80.9712, 0.3362, 0.3001

# Complementary

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



80.9712, 0.3489, 0.3848



50.8416, 0.2729, 0.2663

# Split Complementary

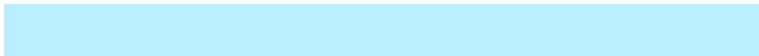
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9712, 0.3042, 0.2832



80.9712, 0.3489, 0.3848



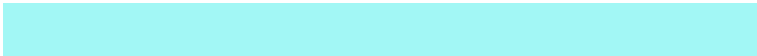
80.9712, 0.2579, 0.2836

# Square

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



80.9712, 0.3489, 0.3848



80.9712, 0.2646, 0.3311



80.9712, 0.2758, 0.2770



80.9712, 0.3628, 0.3241

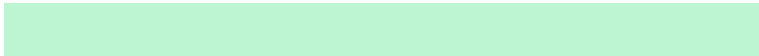


# Rectangle

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



80.9712, 0.3489, 0.3848



80.9712, 0.2978, 0.3689



80.9712, 0.2758, 0.2770



80.9712, 0.3257, 0.2935

# Sweetspot

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



80.9748, 0.3489, 0.3848



98.2926, 0.3232, 0.3453



55.1864, 0.3583, 0.3250



21.0082, 0.3241, 0.3467



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.



80.9748, 0.3489, 0.3848



93.7998, 0.3561, 0.3958



78.7928, 0.3310, 0.3911



18.3049, 0.3270, 0.3511



40.3095, 0.4290, 0.4976



3.3976, 0.4276, 0.4987



# Inverse Universe

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



50.8416, 0.2729, 0.2663



53.0877, 0.2639, 0.2521



52.8096, 0.2906, 0.2660



15.3650, 0.2979, 0.3059



3.6582, 0.1509, 0.0633

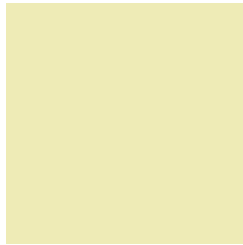


0.3520, 0.1534, 0.0721



# Previews

## White Background



This preview shows how the Yxy color 80.9712, 0.3489, 0.3848 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

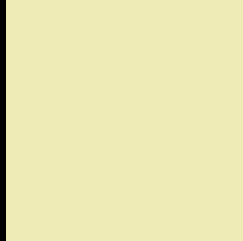
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.9712, 0.3489, 0.3848 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

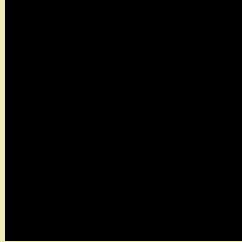
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

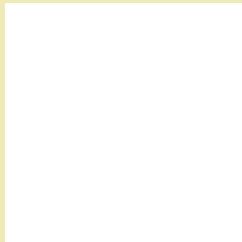
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.9712, 0.3489, 0.3848**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.9712, 0.3489, 0.3848.

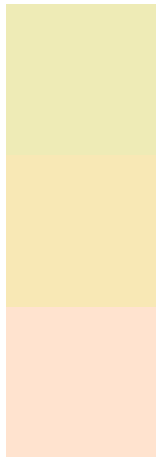


This preview shows how white text looks on a background with the Yxy color 80.9712, 0.3489, 0.3848.

# 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

80.9712, 0.3489, 0.3848

### Protanopia

81.0059, 0.3576, 0.3816

### Deuteranopia

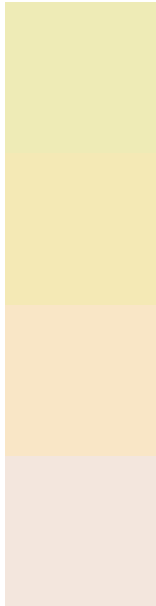
80.7032, 0.3461, 0.3493



## Tritanopia

81.0627, 0.3149, 0.3120

# Trichromacy



## Original Color

80.9712, 0.3489, 0.3848

## Protanomaly

80.8471, 0.3544, 0.3831

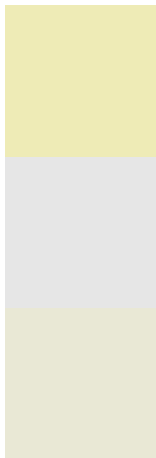
## Deuteranomaly

80.8106, 0.3473, 0.3619

## Tritanomaly

80.8688, 0.3276, 0.3383

# Monochromacy



## Original Color

80.9712, 0.3489, 0.3848

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

79.8410, 0.3256, 0.3490

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.9712, 0.3489, 0.3848 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(238, 235, 182)` looks like.

```
.text, #text, p{  
    color:rgb(238, 235, 182)  
}
```

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(238, 235, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 235, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9712, 0.3489, 0.3848 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(238, 235, 182) }
```

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

```
.border{ border-color:rgb(238, 235, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 235, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 235, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 235, 182);  
box-shadow:4px 4px 4px 4px rgb(238, 235,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9712, 0.3489, 0.3848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 235, 182) }
```

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

```
.background{ background-color: rgb(238,  
235, 182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor