

# Converting Colors

$Yxy(83.0784, 0.3282, 0.3694)$

Have a look what the booklet for  
Yxy(83.0784, 0.3282, 0.3694)  
contains.

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# Color

**Yxy(83.0784, 0.3282, 0.3694)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4F0CA
RGB	228, 240, 202
RGB Percent	89%, 94%, 79%
CMY	0.1059, 0.0588, 0.2079
CMYK	0.05, 0.00, 0.16, 0.06
HSL	79°, 56%, 87%
HSV	79°, 16%, 94%
XYZ	73.8125, 83.0784, 68.0100
YIQ	232.0800, 5.0460, -14.3620

# Conversions

## Conversions Part 2

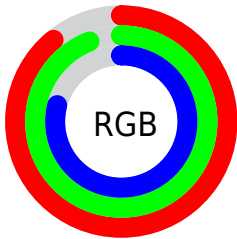
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 240, 214
Decimal	15003850
CIE Lab	93.05, -10.45, 17.05
CIE LCh	93, 20.001, 121.504
Yxy	83.0784, 0.3282, 0.3694
Android (android.graphics.Color)	4293193930 (0xFFE4F0CA)
YUV	232.0800, -14.8294, -3.5782
Hunter-Lab	91.1474, -14.9559, 19.5636

# Details

The Yxy color **83.0784, 0.3282, 0.3694** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.8197, 0.2955, 0.2874**, and the grayscale version is **80.8700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1898, 0.3310, 0.3786** is the 20% darker color. If you saturate the color by 10%, you get **80.8192, 0.3379, 0.3967**, and if you desaturate by 10%, it is **85.5761, 0.3184, 0.3434**.

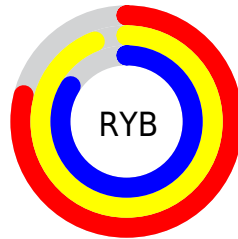
# Distribution



Red (89%)

Green (94%)

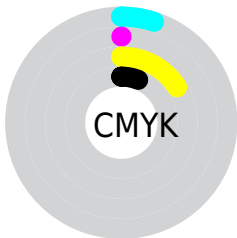
Blue (79%)



Red (79%)

Yellow (94%)

Blue (84%)

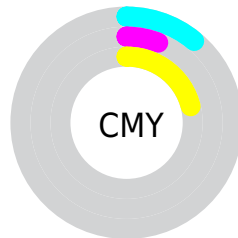


Cyan (5%)

Magenta (0%)

Yellow (16%)

Black (6%)



Cyan (11%)

Magenta (6%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0784, 0.3282, 0.3694 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 83.0784, 0.3282, 0.3694 by changing the saturation by 10% instead.



83.0784, 0.3282,  
0.3694

83.0784, 0.3282,  
0.3694

505.2478, 0.3214,  
0.3508

62.2548, 0.3297,  
0.3736

137.6853, 0.3259,  
0.3630

45.2386, 0.3314,  
0.3788

172.2373, 0.3250,  
0.3605

31.6454, 0.3336,  
0.3854

212.1344, 0.3242,  
0.3583

21.0908, 0.3363,  
0.3939

257.7608, 0.3235,  
0.3564

13.1904, 0.3398,  
0.4055

309.5009, 0.3229,  
0.3548

7.5598, 0.3444,  
0.4219

367.7392, 0.3223,

3.8146, 0.3505,

0.3533

0.4469

432.8600, 0.3218,  
0.3520

■ 1.5704, 0.3707,  
0.5065

■ 0.3375, 0.1629,  
0.8371

■ 83.0784, 0.3282,  
0.3694

■ 83.0784, 0.3282,  
0.3694

■ 80.8192, 0.3379,  
0.3967

■ 85.5761, 0.3184,  
0.3434

■ 78.7787, 0.3470,  
0.4246

■ 88.3096, 0.3087,  
0.3191

■ 76.9511, 0.3552,  
0.4522

■ 90.0067, 0.3106,  
0.3145

■ 75.3260, 0.3618,  
0.4784

■ 90.8054, 0.3134,  
0.3146

■ 73.8923, 0.3664,  
0.5019

■ 72.6370, 0.3686,  
0.5215

■ 71.5454, 0.3682,  
0.5364

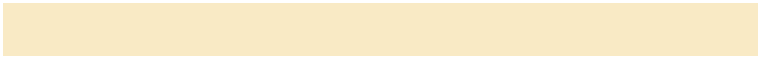
■ 70.5996, 0.3654,  
0.5462

■ 70.2378, 0.3638,  
0.5494

# Harmonies

## Analogous

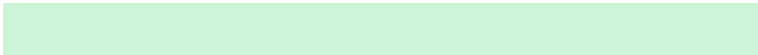
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0784, 0.3477, 0.3671



83.0784, 0.3282, 0.3694



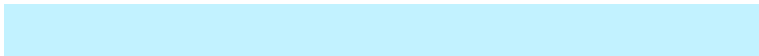
83.0784, 0.3051, 0.3598

# Triad

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



83.0784, 0.3282, 0.3694



83.0784, 0.2694, 0.3014



83.0784, 0.3412, 0.3168

# Complementary

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



83.0784, 0.3282, 0.3694



62.8197, 0.2955, 0.2874

# Split Complementary

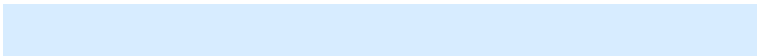
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0784, 0.3192, 0.3008



83.0784, 0.3282, 0.3694



83.0784, 0.2782, 0.2917

# Square

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



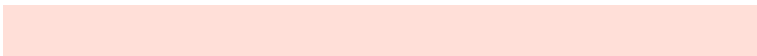
83.0784, 0.3282, 0.3694



83.0784, 0.2717, 0.3193



83.0784, 0.2962, 0.2917



83.0784, 0.3555, 0.3361

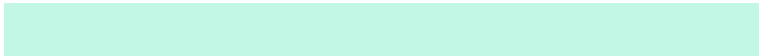


# Rectangle

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



83.0784, 0.3282, 0.3694



83.0784, 0.2907, 0.3480



83.0784, 0.2962, 0.2917



83.0784, 0.3344, 0.3109

# Sweetspot

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



83.0820, 0.3282, 0.3694



98.4499, 0.3176, 0.3413



70.5751, 0.3408, 0.3412



21.0269, 0.3183, 0.3431



0.0000, 0.0000, 0.0000

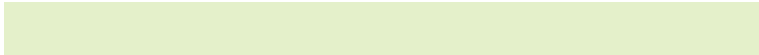


21.4041, 0.3127, 0.3290

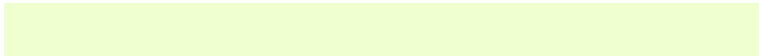


# Same Dimension

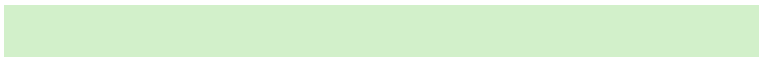
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0820, 0.3282, 0.3694



94.4748, 0.3313, 0.3781



80.2299, 0.3157, 0.3710



18.1941, 0.3219, 0.3527



38.5202, 0.3647, 0.5487



3.2573, 0.3720, 0.5428



# Inverse Universe

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



62.8197, 0.2955, 0.2874



67.1348, 0.2914, 0.2782



65.7477, 0.3089, 0.2891



15.4710, 0.3029, 0.3049



4.3435, 0.1722, 0.0722

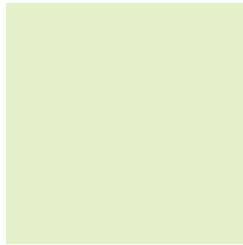


0.4124, 0.1863, 0.0800



# Previews

## White Background



This preview shows how the Yxy color 83.0784, 0.3282, 0.3694 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

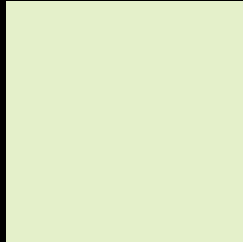
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.0784, 0.3282, 0.3694 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

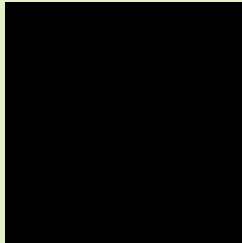
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

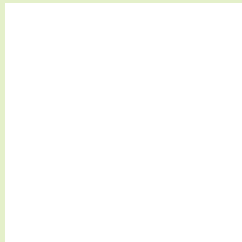
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.0784, 0.3282, 0.3694**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.0784, 0.3282, 0.3694.

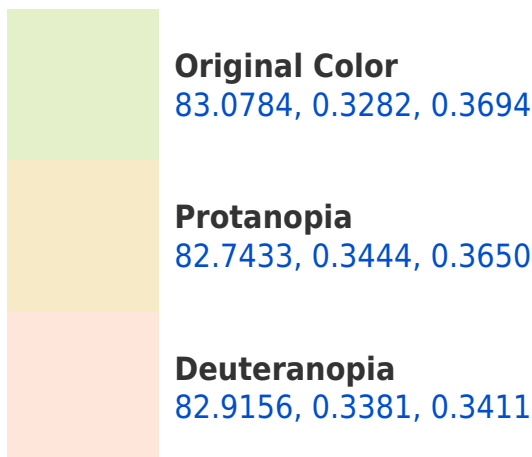


This preview shows how white text looks on a background with the Yxy color 83.0784, 0.3282, 0.3694.

# 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

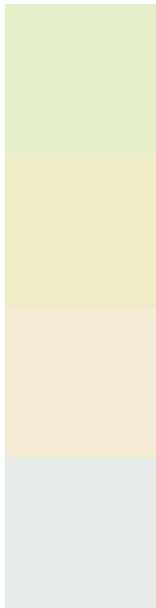




## Tritanopia

82.9050, 0.3030, 0.3108

# Trichromacy



**Original Color**

83.0784, 0.3282, 0.3694

**Protanomaly**

82.6863, 0.3384, 0.3665

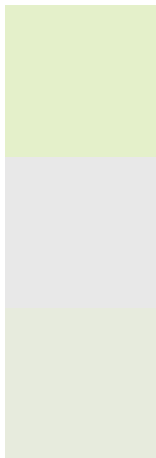
**Deuteranomaly**

83.0116, 0.3344, 0.3516

**Tritanomaly**

83.0299, 0.3119, 0.3321

# Monochromacy



**Original Color**

83.0784, 0.3282, 0.3694

**Achromatopsia**

80.6952, 0.3127, 0.3290

**Achromatomaly**

81.6260, 0.3188, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.0784, 0.3282, 0.3694 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(228, 240, 202)` looks like.

```
.text, #text, p{  
    color:rgb(228, 240, 202)  
}
```

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(228, 240, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 240, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 83.0784, 0.3282, 0.3694 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(228, 240, 202) }
```

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

```
.border{ border-color:rgb(228, 240, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 240, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 240, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 240, 202);  
box-shadow:4px 4px 4px 4px rgb(228, 240,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.0784, 0.3282, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 240, 202) }
```

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

```
.background{ background-color: rgb(228,  
240, 202) }
```

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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