

# Converting Colors

$Yxy(89.5465, 0.3443, 0.3980)$

Have a look what the booklet for  
Yxy(89.5465, 0.3443, 0.3980)  
contains.

|   |    |
|---|----|
| <b>Yxy(89.7946, 0.3444, 0.3982)</b> ..... | 3  |
| <b>Conversions</b> .....                  | 4  |
| <b>Details</b> .....                      | 6  |
| <b>Harmonies</b> .....                    | 12 |
| <b>Previews</b> .....                     | 24 |
| <b>Color Blindness Simulation</b> .....   | 27 |
| <b>CSS Examples</b> .....                 | 30 |

# Color

**Yxy(89.7946, 0.3444, 0.3982)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | EDFAB7                      |
| RGB         | 237, 250, 183               |
| RGB Percent | 93%, 98%, 72%               |
| CMY         | 0.0705, 0.0196, 0.2823      |
| CMYK        | 0.05, 0.00, 0.27, 0.02      |
| HSL         | 72°, 87%, 85%               |
| HSV         | 72°, 27%, 98%               |
| XYZ         | 77.6626, 89.7946, 58.0440   |
| YIQ         | 238.4750, 13.7590, -23.5930 |

# Conversions

## Conversions Part 2

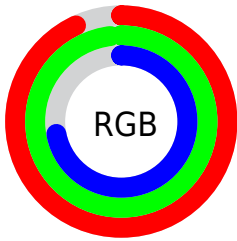
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">183, 250, 196</a>               |
| Decimal                             | <a href="#">15596215</a>                    |
| CIELab                              | <a href="#">95.91, -14.93, 30.78</a>        |
| CIELCh                              | <a href="#">96, 34.216, 115.881</a>         |
| Yxy                                 | <a href="#">89.7946, 0.3444, 0.3982</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4293786295<br/>(0xFFEDFAB7)</a> |
| YUV                                 | <a href="#">238.4750, -27.3492, -1.2936</a> |
| Hunter-Lab                          | <a href="#">94.7600, -19.5365, 30.0147</a>  |

# Details

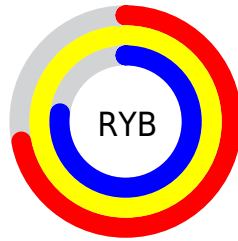
The Yxy color **89.7946, 0.3444, 0.3982** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.5096, 0.2751, 0.2536**, and the grayscale version is **86.1004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **50.0190, 0.3504, 0.4136** is the 20% darker color. If you saturate the color by 10%, you get **88.0252, 0.3557, 0.4249**, and if you desaturate by 10%, it is **91.7794, 0.3326, 0.3716**.

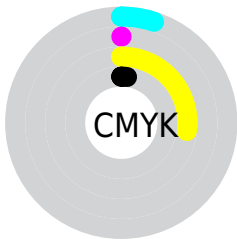
# Distribution



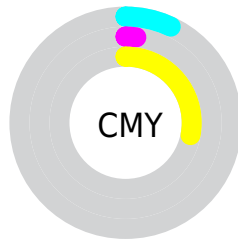
- Red (93%)
- Green (98%)
- Blue (72%)



- Red (72%)
- Yellow (98%)
- Blue (77%)



- Cyan (5%)
- Magenta (0%)
- Yellow (27%)
- Black (2%)



- Cyan (7%)
- Magenta (2%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.7946, 0.3444, 0.3982 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 89.7946, 0.3444, 0.3982 by changing the saturation by 10% instead.




 89.7946, 0.3444,  
0.3982

 89.7946, 0.3444,  
0.3982


527.3625, 0.3309,  
0.3667

 67.8103, 0.3472,  
0.4052


 147.0531, 0.3399,  
0.3874

 49.7434, 0.3505,  
0.4138


183.0960, 0.3381,  
0.3832

 35.2096, 0.3544,  
0.4245


224.5939, 0.3366,  
0.3795

 23.8244, 0.3591,  
0.4382

271.9313, 0.3352,  
0.3763

 15.2034, 0.3648,  
0.4562

325.4924, 0.3339,  
0.3734

 8.9622, 0.3714,  
0.4808


385.6617, 0.3328,


 4.7166, 0.3783,

0.3709

452.8236, 0.3318,  
0.3687


0.5156

 2.0819, 0.4024,  
0.5976


 0.6544, 0.2823,  
0.7177


 89.7946, 0.3444,  
0.3982


 89.7946, 0.3444,  
0.3982


 88.0252, 0.3557,  
0.4249


 91.7794, 0.3326,  
0.3716

 86.4493, 0.3660,  
0.4507

 93.9769, 0.3207,  
0.3458

 85.0601, 0.3746,  
0.4744

 96.2041, 0.3108,  
0.3242

 83.8454, 0.3811,  
0.4951

 96.8518, 0.3129,  
0.3242

■ 82.7917, 0.3852,  
0.5116

■ 81.8831, 0.3866,  
0.5236

■ 81.0993, 0.3855,  
0.5309

■ 80.8646, 0.3848,  
0.5327

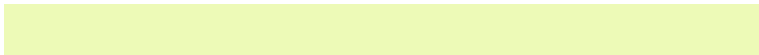
# Harmonies

## Analogous

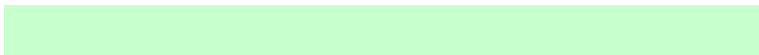
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7946, 0.3752, 0.3888



89.7946, 0.3444, 0.3982



89.7946, 0.3063, 0.3864

# Triad

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



89.7946, 0.3444, 0.3982



89.7946, 0.2415, 0.2871



89.7946, 0.3538, 0.3032

# Complementary

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



89.7946, 0.3444, 0.3982



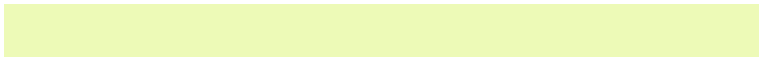
52.5096, 0.2751, 0.2536

# 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.



89.7946, 0.3155, 0.2797



89.7946, 0.3444, 0.3982



89.7946, 0.2522, 0.2695

# Square

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



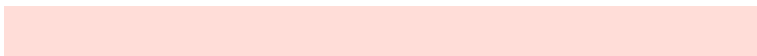
89.7946, 0.3444, 0.3982



89.7946, 0.2482, 0.3183



89.7946, 0.2786, 0.2674

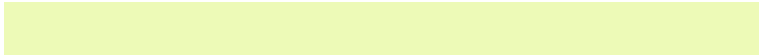


89.7946, 0.3815, 0.3334

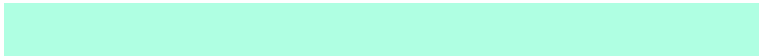


# Rectangle

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



89.7946, 0.3444, 0.3982



89.7946, 0.2821, 0.3675



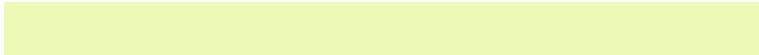
89.7946, 0.2786, 0.2674



89.7946, 0.3416, 0.2944

# Sweetspot

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



89.7986, 0.3444, 0.3982



98.0128, 0.3221, 0.3489



62.9055, 0.3674, 0.3422



20.9024, 0.3239, 0.3527



0.0000, 0.0000, 0.0000

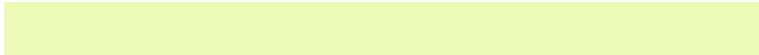


21.4041, 0.3127, 0.3290

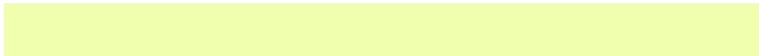


# Same Dimension

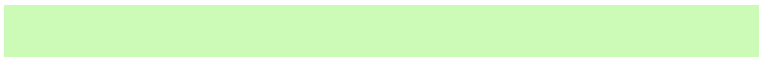
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7986, 0.3444, 0.3982



92.9353, 0.3504, 0.4122



84.6605, 0.3225, 0.4033



20.0108, 0.3239, 0.3526



42.9536, 0.3854, 0.5322



4.0203, 0.3897, 0.5288



# Inverse Universe

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



52.5096, 0.2751, 0.2536



48.1074, 0.2662, 0.2367



57.3974, 0.2995, 0.2587



16.8049, 0.3009, 0.3047



4.0466, 0.1592, 0.0651

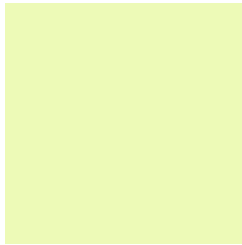


0.4163, 0.1695, 0.0707



# Previews

## White Background



This preview shows how the Yxy color 89.7946, 0.3444, 0.3982 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

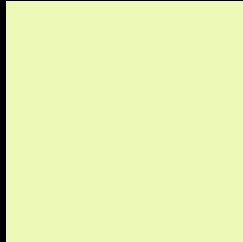
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.7946, 0.3444, 0.3982 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

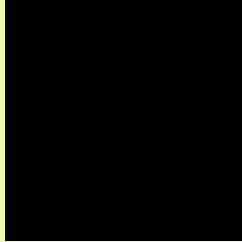
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

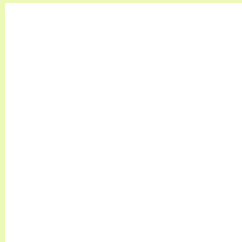
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.7946, 0.3444, 0.3982**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.7946, 0.3444, 0.3982.

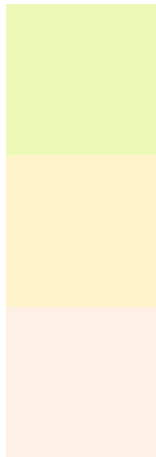


This preview shows how white text looks on a background with the Yxy color 89.7946, 0.3444, 0.3982.

# 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

89.7946, 0.3444, 0.3982

### Protanopia

89.6730, 0.3458, 0.3688

### Deuteranopia

89.2933, 0.3290, 0.3389



## Tritanopia

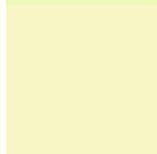
89.7234, 0.3075, 0.3153

# Trichromacy



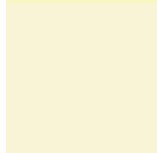
## Original Color

89.7946, 0.3444, 0.3982



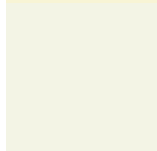
## Protanomaly

89.8535, 0.3448, 0.3795



## Deuteranomaly

89.4619, 0.3345, 0.3602



## Tritanomaly

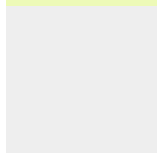
89.4132, 0.3212, 0.3441

# Monochromacy



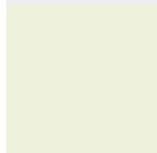
## Original Color

89.7946, 0.3444, 0.3982



## Achromatopsia

85.4993, 0.3127, 0.3290



## Achromatomaly

86.7434, 0.3248, 0.3536

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.7946, 0.3444, 0.3982 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(237, 250, 183)` looks like.

```
.text, #text, p{  
    color:rgb(237, 250, 183)  
}
```

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(237, 250, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 250, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 89.7946, 0.3444, 0.3982 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(237, 250, 183) }
```

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

```
.border{ border-color:rgb(237, 250, 183) }
```

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

Here you see how a box with a 4 pixel rgb(237, 250, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 250, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 250, 183);  
box-shadow:4px 4px 4px 4px rgb(237, 250,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.7946, 0.3444, 0.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 250, 183) }
```

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

```
.background{ background-color: rgb(237,  
250, 183) }
```

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