

# Converting Colors

$Yxy(83.8735, 0.3553, 0.4085)$

Have a look what the booklet for  
Yxy(83.8735, 0.3553, 0.4085)  
contains.

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# Color

**Yxy(83.9196, 0.3552, 0.4089)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF2A6
RGB	235, 242, 166
RGB Percent	92%, 95%, 65%
CMY	0.0783, 0.0510, 0.3492
CMYK	0.03, 0.00, 0.31, 0.05
HSL	66°, 75%, 80%
HSV	66°, 31%, 95%
XYZ	72.8986, 83.9196, 48.4144
YIQ	231.2430, 20.2240, -25.1200

# Conversions

## Conversions Part 2

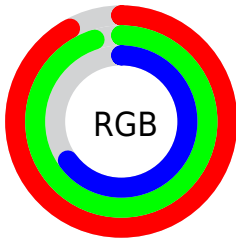
Format	Color
R <sub>Y</sub> B	166, 242, 173
Decimal	15463078
CIE Lab	93.42, -13.94, 36.00
CIE LCh	93, 38.600, 111.166
Yxy	83.9196, 0.3552, 0.4089
Android (android.graphics.Color)	4293653158 (0xFFEBF2A6)
YUV	231.2430, -32.1648, 3.2949
Hunter-Lab	91.6076, -18.2684, 32.7908

# Details

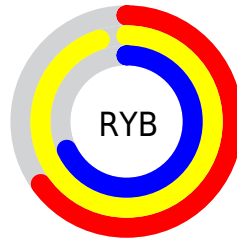
The Yxy color **83.9196, 0.3552, 0.4089** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.5487, 0.2616, 0.2375**, and the grayscale version is **80.3368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **45.7750, 0.3633, 0.4275** is the 20% darker color. If you saturate the color by 10%, you get **82.7416, 0.3679, 0.4340**, and if you desaturate by 10%, it is **85.2770, 0.3417, 0.3831**.

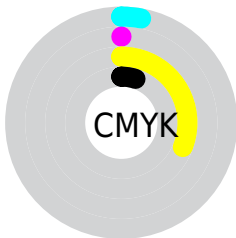
# Distribution



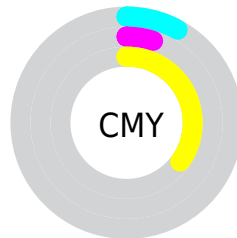
- Red (92%)
- Green (95%)
- Blue (65%)



- Red (65%)
- Yellow (95%)
- Blue (68%)



- Cyan (3%)
- Magenta (0%)
- Yellow (31%)
- Black (5%)




- Cyan (8%)
- Magenta (5%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9196, 0.3552, 0.4089 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 83.9196, 0.3552, 0.4089 by changing the saturation by 10% instead.




 83.9196, 0.3552,  
0.4089

 83.9196, 0.3552,  
0.4089


508.0462, 0.3369,  
0.3722

 62.9491, 0.3590,  
0.4171


 138.8627, 0.3491,  
0.3963

 45.8000, 0.3635,  
0.4271


 173.6041, 0.3467,  
0.3914

 32.0880, 0.3688,  
0.4395


213.7045, 0.3446,  
0.3871

 21.4287, 0.3751,  
0.4554

259.5483, 0.3427,  
0.3834

 13.4378, 0.3825,  
0.4760

311.5200, 0.3410,  
0.3801

 7.7307, 0.3907,  
0.5036

370.0040, 0.3395,

 3.9231, 0.4055,

0.3772

0.5515

435.3846, 0.3381,  
0.3746

■ 1.6306, 0.4013,  
0.5987

■ 0.3781, 0.0482,  
0.9518

■ 83.9196, 0.3552,  
0.4089

■ 83.9196, 0.3552,  
0.4089

■ 82.7416, 0.3679,  
0.4340

■ 85.2770, 0.3417,  
0.3831

■ 81.7222, 0.3794,  
0.4572


■ 86.8111, 0.3281,  
0.3574


■ 80.8548, 0.3890,  
0.4776


■ 88.5338, 0.3146,  
0.3324

■ 80.1280, 0.3963,  
0.4943


■ 89.9422, 0.3062,  
0.3163


 79.5283, 0.4009,  
0.5066

 90.3419, 0.3076,  
0.3163

 79.0399, 0.4030,  
0.5144

 90.7463, 0.3090,  
0.3164

 78.6879, 0.4030,  
0.5182

 91.1556, 0.3104,  
0.3164

 91.5696, 0.3119,  
0.3165

 91.9856, 0.3133,  
0.3165

# Harmonies

## Analogous

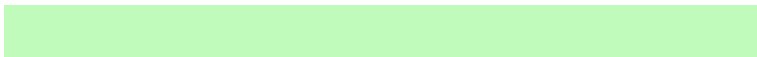
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9196, 0.3885, 0.3937



83.9196, 0.3552, 0.4089



83.9196, 0.3119, 0.3998

# Triad

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



83.9196, 0.3552, 0.4089



83.9196, 0.2313, 0.2850



83.9196, 0.3535, 0.2946

# Complementary

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



83.9196, 0.3552, 0.4089



42.5487, 0.2616, 0.2375

# 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.



83.9196, 0.3085, 0.2697



83.9196, 0.3552, 0.4089



83.9196, 0.2404, 0.2627

# Square

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



83.9196, 0.3552, 0.4089



83.9196, 0.2418, 0.3228



83.9196, 0.2676, 0.2580



83.9196, 0.3886, 0.3279

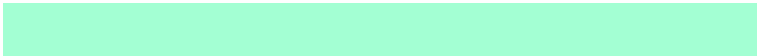


# Rectangle

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



83.9196, 0.3552, 0.4089



83.9196, 0.2834, 0.3798



83.9196, 0.2676, 0.2580



83.9196, 0.3389, 0.2851

# Sweetspot

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



83.9234, 0.3552, 0.4089



98.2116, 0.3248, 0.3513



51.2495, 0.3825, 0.3362



20.9630, 0.3268, 0.3550



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.



83.9234, 0.3552, 0.4089



93.6038, 0.3638, 0.4258



78.2153, 0.3290, 0.4162



18.3810, 0.3254, 0.3524



42.3028, 0.4033, 0.5180



3.5406, 0.4056, 0.5162



# Inverse Universe

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



42.5487, 0.2616, 0.2375



39.9228, 0.2485, 0.2146



47.4193, 0.2904, 0.2445



15.2981, 0.2994, 0.3047



3.5618, 0.1530, 0.0617

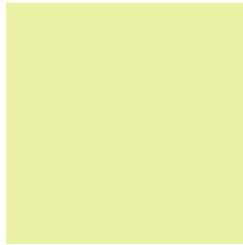


0.3197, 0.1601, 0.0656



# Previews

## White Background



This preview shows how the Yxy color 83.9196, 0.3552, 0.4089 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

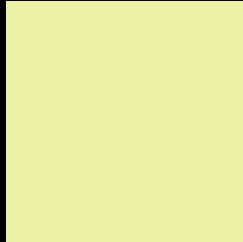
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.9196, 0.3552, 0.4089 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

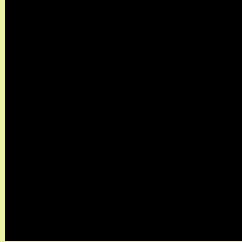
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.9196, 0.3552, 0.4089**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.9196, 0.3552, 0.4089.

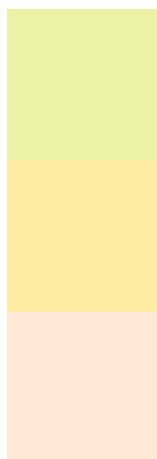


This preview shows how white text looks on a background with the Yxy color 83.9196, 0.3552, 0.4089.

# 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

83.9196, 0.3552, 0.4089

### Protanopia

83.8952, 0.3734, 0.4024

### Deuteranopia

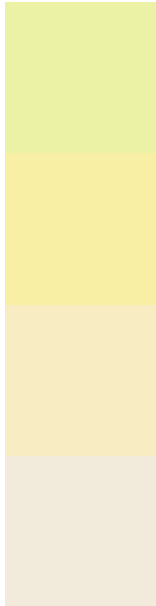
83.7267, 0.3418, 0.3491



## Tritanopia

83.6468, 0.3109, 0.3102

# Trichromacy



## Original Color

83.9196, 0.3552, 0.4089

## Protanomaly

83.7859, 0.3670, 0.4046

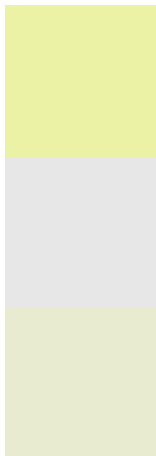
## Deuteranomaly

83.8875, 0.3474, 0.3710

## Tritanomaly

83.4084, 0.3276, 0.3454

# Monochromacy



## Original Color

83.9196, 0.3552, 0.4089

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

81.0775, 0.3284, 0.3586

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.9196, 0.3552, 0.4089 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, 242, 166)` looks like.

```
.text, #text, p{  
    color:rgb(235, 242, 166)  
}
```

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, 242, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 242, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 83.9196, 0.3552, 0.4089 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, 242, 166) }
```

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

```
.border{ border-color:rgb(235, 242, 166) }
```

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

Here you see how a box with a 4 pixel rgb(235, 242, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 242, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 242, 166);  
box-shadow:4px 4px 4px 4px rgb(235, 242,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.9196, 0.3552, 0.4089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 242, 166) }
```

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

```
.background{ background-color: rgb(235,  
242, 166) }
```

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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