

# Converting Colors

$Yxy(83.2009, 0.3395, 0.3785)$

Have a look what the booklet for  
Yxy(83.2009, 0.3395, 0.3785)  
contains.

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# Color

**Yxy(83.2009, 0.3395, 0.3785)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBEFC0
RGB	235, 239, 192
RGB Percent	92%, 94%, 75%
CMY	0.0786, 0.0627, 0.2471
CMYK	0.02, 0.00, 0.20, 0.06
HSL	65°, 60%, 85%
HSV	65°, 20%, 94%
XYZ	74.6280, 83.2009, 61.9885
YIQ	232.4460, 12.7030, -15.4650

# Conversions

## Conversions Part 2

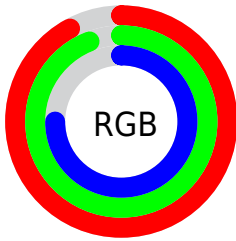
Format	Color
<a href="#">RYB</a>	<a href="#">192, 239, 196</a>
Decimal	<a href="#">15462336</a>
CIELab	<a href="#">93.10, -9.00, 22.35</a>
CIELCh	<a href="#">93, 24.090, 111.927</a>
Yxy	<a href="#">83.2009, 0.3395, 0.3785</a>
Android (android.graphics.Color)	<a href="#">4293652416 (0xFFEBEFC0)</a>
YUV	<a href="#">232.4460, -19.9399, 2.2399</a>
Hunter-Lab	<a href="#">91.2145, -13.5840, 23.5573</a>

# Details

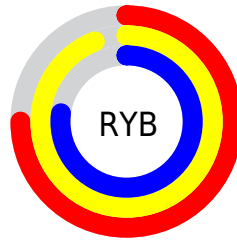
The Yxy color **83.2009, 0.3395, 0.3785** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.6727, 0.2828, 0.2752**, and the grayscale version is **81.1892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **45.2857, 0.3456, 0.3902** is the 20% darker color. If you saturate the color by 10%, you get **81.8794, 0.3531, 0.4043**, and if you desaturate by 10%, it is **84.7059, 0.3258, 0.3529**.

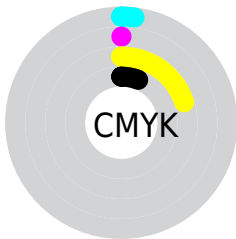
# Distribution



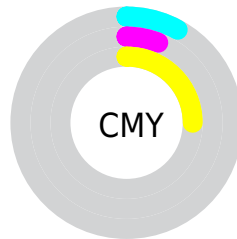
- Red (92%)
- Green (94%)
- Blue (75%)



- Red (75%)
- Yellow (94%)
- Blue (77%)



- Cyan (2%)
- Magenta (0%)
- Yellow (20%)
- Black (6%)



- Cyan (8%)
- Magenta (6%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2009, 0.3395, 0.3785 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 83.2009, 0.3395, 0.3785 by changing the saturation by 10% instead.




 83.2009, 0.3395,  
0.3785

 83.2009, 0.3395,  
0.3785


505.6558, 0.3276,  
0.3558

 62.3559, 0.3421,  
0.3836

 137.8568, 0.3355,  
0.3707

 45.3203, 0.3452,  
0.3899

172.4365, 0.3339,  
0.3676

 31.7098, 0.3490,  
0.3978


212.3632, 0.3325,  
0.3650

 21.1400, 0.3537,  
0.4080

258.0213, 0.3313,  
0.3627

 13.2263, 0.3598,  
0.4217

309.7952, 0.3302,  
0.3606

 7.5846, 0.3678,  
0.4408

368.0694, 0.3293,

 3.8303, 0.3782,

0.3588

0.4691

433.2281, 0.3284,  
0.3572

■ 1.5791, 0.4293,  
0.5646

■ 0.3434, 0.2373,  
0.7627

■ 83.2009, 0.3395,  
0.3785

■ 83.2009, 0.3395,  
0.3785

■ 81.8794, 0.3531,  
0.4043

■ 84.7059, 0.3258,  
0.3529

■ 80.7221, 0.3661,  
0.4295

■ 86.3911, 0.3123,  
0.3282

■ 79.7237, 0.3779,  
0.4530

■ 87.6946, 0.3045,  
0.3132

■ 78.8743, 0.3880,  
0.4739

■ 88.0614, 0.3058,  
0.3133

78.1629, 0.3958,  
0.4912

88.4323, 0.3071,  
0.3133

77.5770, 0.4010,  
0.5042

88.8073, 0.3085,  
0.3134

77.1016, 0.4036,  
0.5127

89.1866, 0.3098,  
0.3135

76.7126, 0.4040,  
0.5173

89.5700, 0.3112,  
0.3135

76.7006, 0.4040,  
0.5174

89.9576, 0.3125,  
0.3136

# Harmonies

## Analogous

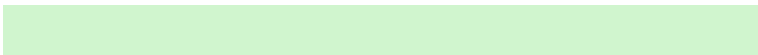
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2009, 0.3602, 0.3709



83.2009, 0.3395, 0.3785



83.2009, 0.3122, 0.3716

# Triad

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



83.2009, 0.3395, 0.3785



83.2009, 0.2603, 0.3016



83.2009, 0.3391, 0.3076

# Complementary

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



83.2009, 0.3395, 0.3785



55.6727, 0.2828, 0.2752

# Split Complementary

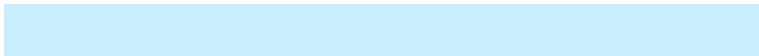
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2009, 0.3113, 0.2909



83.2009, 0.3395, 0.3785



83.2009, 0.2667, 0.2867

# Square

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



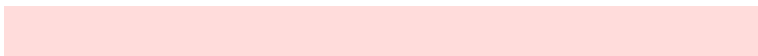
83.2009, 0.3395, 0.3785



83.2009, 0.2672, 0.3253



83.2009, 0.2849, 0.2832



83.2009, 0.3603, 0.3298

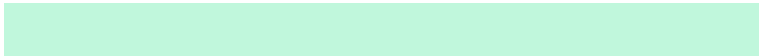


# Rectangle

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



83.2009, 0.3395, 0.3785



83.2009, 0.2941, 0.3594



83.2009, 0.2849, 0.2832



83.2009, 0.3302, 0.3012

# Sweetspot

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



83.2046, 0.3395, 0.3785



98.8030, 0.3208, 0.3438



61.5990, 0.3509, 0.3334



21.1210, 0.3217, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

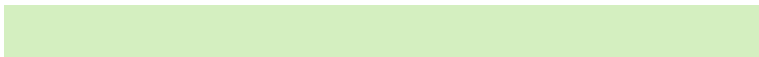
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2046, 0.3395, 0.3785



95.6745, 0.3455, 0.3899



79.4869, 0.3233, 0.3811



18.3854, 0.3255, 0.3524



42.4067, 0.4042, 0.5172



3.5481, 0.4063, 0.5156



# Inverse Universe

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



55.6727, 0.2828, 0.2752



57.8705, 0.2751, 0.2615



59.0545, 0.3000, 0.2778



15.2942, 0.2993, 0.3047



3.5532, 0.1528, 0.0616

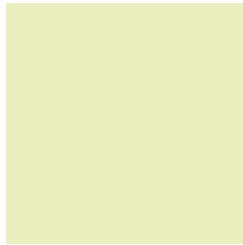


0.3179, 0.1596, 0.0653



# Previews

## White Background



This preview shows how the Yxy color 83.2009, 0.3395, 0.3785 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

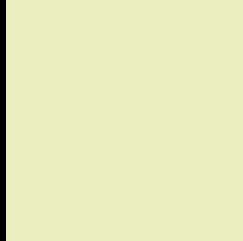
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.2009, 0.3395, 0.3785 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

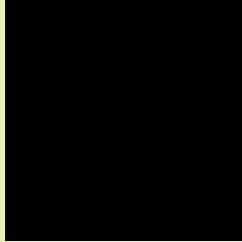
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.2009, 0.3395, 0.3785**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.2009, 0.3395, 0.3785.



This preview shows how white text looks on a background with the Yxy color 83.2009, 0.3395, 0.3785.

# 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

83.2009, 0.3395, 0.3785

### Protanopia

83.2741, 0.3516, 0.3751

### Deuteranopia

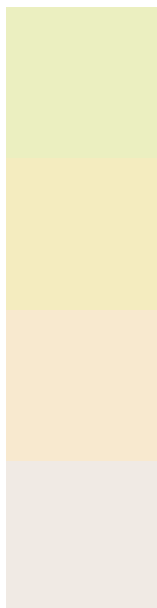
82.7599, 0.3401, 0.3441



## Tritanopia

83.0461, 0.3095, 0.3111

# Trichromacy



## Original Color

83.2009, 0.3395, 0.3785

## Protanomaly

82.9856, 0.3472, 0.3756

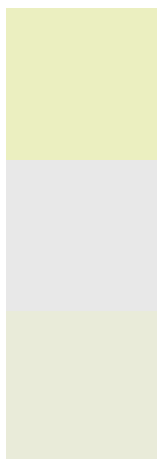
## Deuteranomaly

82.7393, 0.3400, 0.3556

## Tritanomaly

82.9723, 0.3206, 0.3352

# Monochromacy



## Original Color

83.2009, 0.3395, 0.3785

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

81.7501, 0.3227, 0.3479

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.2009, 0.3395, 0.3785 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, 239, 192)` looks like.

```
.text, #text, p{  
    color:rgb(235, 239, 192)  
}
```

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, 239, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 239, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 83.2009, 0.3395, 0.3785 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, 239, 192) }
```

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

```
.border{ border-color:rgb(235, 239, 192) }
```

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

Here you see how a box with a 4 pixel rgb(235, 239, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 239, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 239, 192);  
box-shadow:4px 4px 4px 4px rgb(235, 239,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.2009, 0.3395, 0.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 239, 192) }
```

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

```
.background{ background-color: rgb(235,  
239, 192) }
```

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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