

# Converting Colors

$Y_{xy}(82.8800, 0.3192, 0.3400)$

Have a look what the booklet for  
Yxy(82.8800, 0.3192, 0.3400)  
contains.

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# Color

**Yxy(83.0893, 0.3189, 0.3404)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBECE1
RGB	235, 236, 225
RGB Percent	92%, 93%, 88%
CMY	0.0785, 0.0745, 0.1177
CMYK	0.00, 0.00, 0.05, 0.07
HSL	66°, 22%, 90%
HSV	66°, 5%, 93%
XYZ	77.8413, 83.0893, 83.1625
YIQ	234.4470, 2.9350, -3.6330

# Conversions

## Conversions Part 2

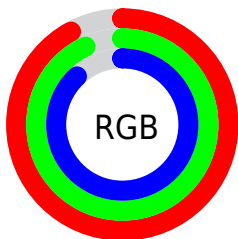
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 236, 226
Decimal	15461601
CIE <sub>Lab</sub>	93.05, -2.26, 5.21
CIE <sub>LCh</sub>	93, 5.674, 113.450
Yxy	83.0893, 0.3189, 0.3404
Android (android.graphics.Color)	4293651681 (0xFFEBECE1)
YUV	234.4470, -4.6574, 0.4850
Hunter-Lab	91.1533, -7.0865, 9.7149

# Details

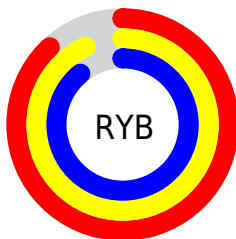
The Yxy color **83.0893, 0.3189, 0.3404** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.0754, 0.3064, 0.3174**, and the grayscale version is **82.6701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1285, 0.3199, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **81.5195, 0.3324, 0.3656**, and if you desaturate by 10%, it is **84.8490, 0.3058, 0.3163**.

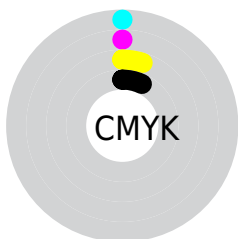
# Distribution



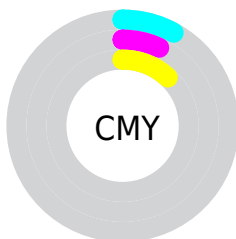
- Red (92%)
- Green (93%)
- Blue (88%)



- Red (88%)
- Yellow (93%)
- Blue (89%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)




- Cyan (8%)
- Magenta (7%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0893, 0.3189, 0.3404 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 83.0893, 0.3189, 0.3404 by changing the saturation by 10% instead.




 83.0893, 0.3189,  
0.3404

 83.0893, 0.3189,  
0.3404


505.2841, 0.3161,  
0.3352

 62.2638, 0.3195,  
0.3416

137.7005, 0.3179,  
0.3386

 45.2459, 0.3203,  
0.3430


172.2551, 0.3176,  
0.3379

 31.6512, 0.3212,  
0.3448


212.1547, 0.3173,  
0.3373

 21.0952, 0.3224,  
0.3471

257.7840, 0.3170,  
0.3368

 13.1936, 0.3241,  
0.3502

309.5271, 0.3167,  
0.3363

 7.5620, 0.3263,  
0.3546

367.7686, 0.3165,

 3.8160, 0.3297,

0.3359

0.3613

432.8928, 0.3163,  
0.3356

■ 1.5712, 0.3354,  
0.3727

■ 0.3380, 0.4375,  
0.5556

■ 83.0893, 0.3189,  
0.3404

■ 83.0893, 0.3189,  
0.3404

■ 81.5195, 0.3324,  
0.3656

■ 84.8490, 0.3058,  
0.3163

■ 80.1214, 0.3460,  
0.3914

■ 85.6373, 0.3034,  
0.3101

■ 78.8911, 0.3593,  
0.4171


■ 86.0244, 0.3048,  
0.3102


■ 77.8200, 0.3716,  
0.4417


■ 86.4162, 0.3062,  
0.3103


 76.8990, 0.3825,  
0.4641

 86.8127, 0.3077,  
0.3104


 76.1182, 0.3914,  
0.4835


 87.2140, 0.3091,  
0.3105


 75.4662, 0.3978,  
0.4988

 87.6201, 0.3106,  
0.3105

 74.9297, 0.4016,  
0.5097

 88.0309, 0.3120,  
0.3106

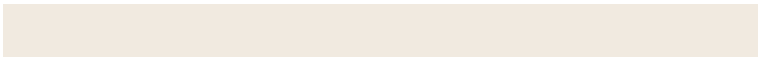
 74.4928, 0.4028,  
0.5162

 88.4464, 0.3135,  
0.3107

# Harmonies

## Analogous

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



83.0893, 0.3237, 0.3392



83.0893, 0.3189, 0.3404



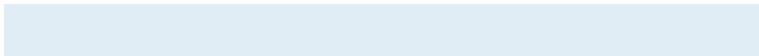
83.0893, 0.3125, 0.3385

# Triad

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



83.0893, 0.3189, 0.3404



83.0893, 0.3000, 0.3226



83.0893, 0.3193, 0.3241

# Complementary

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



83.0893, 0.3189, 0.3404



76.0754, 0.3064, 0.3174

# Split Complementary

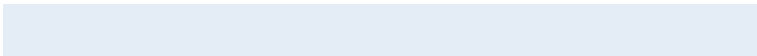
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0893, 0.3129, 0.3198



83.0893, 0.3189, 0.3404



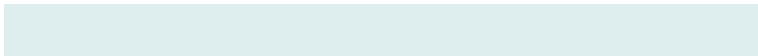
83.0893, 0.3018, 0.3188

# Square

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



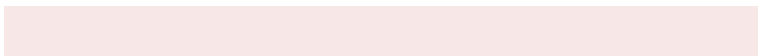
83.0893, 0.3189, 0.3404



83.0893, 0.3016, 0.3281



83.0893, 0.3065, 0.3179



83.0893, 0.3240, 0.3298

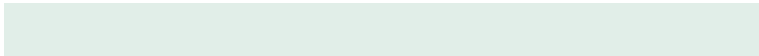


# Rectangle

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



83.0893, 0.3189, 0.3404



83.0893, 0.3081, 0.3357



83.0893, 0.3065, 0.3179



83.0893, 0.3173, 0.3225

# Sweetspot

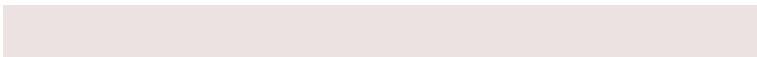
The Sweet Spot groups the original color and five complimentary colors.



83.0929, 0.3189, 0.3404



99.7917, 0.3140, 0.3314



77.6148, 0.3204, 0.3300



21.3617, 0.3140, 0.3313



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.



83.0929, 0.3189, 0.3404



98.7833, 0.3207, 0.3438



82.1880, 0.3153, 0.3405



17.6483, 0.3215, 0.3453



40.9744, 0.4030, 0.5182



3.2384, 0.4054, 0.5163



# Inverse Universe

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



76.0754, 0.3064, 0.3174



88.0873, 0.3045, 0.3139



76.9620, 0.3101, 0.3175



15.5535, 0.3036, 0.3123



3.4567, 0.1532, 0.0617

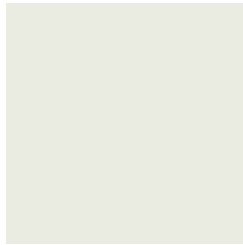


0.2944, 0.1608, 0.0659



# Previews

## White Background



This preview shows how the Yxy color 83.0893, 0.3189, 0.3404 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

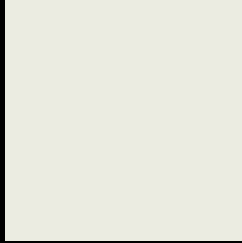
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.0893, 0.3189, 0.3404 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

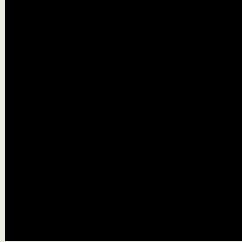
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

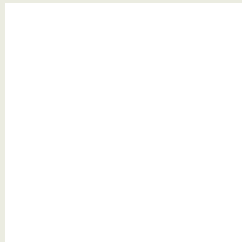
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.0893, 0.3189, 0.3404**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.0893, 0.3189, 0.3404.

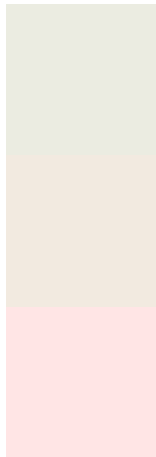


This preview shows how white text looks on a background with the Yxy color 83.0893, 0.3189, 0.3404.

# 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

83.0893, 0.3189, 0.3404

### Protanopia

83.1047, 0.3245, 0.3392

### Deuteranopia

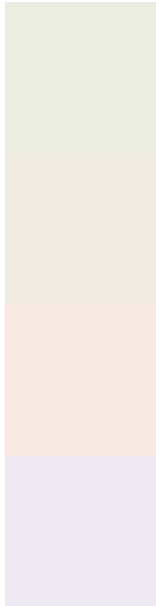
82.9558, 0.3308, 0.3291



## Tritanopia

82.9661, 0.3062, 0.3109

# Trichromacy



## Original Color

83.0893, 0.3189, 0.3404

## Protanomaly

83.1492, 0.3224, 0.3403

## Deuteranomaly

83.2711, 0.3263, 0.3331

## Tritanomaly

82.8058, 0.3111, 0.3209

# Monochromacy



## Original Color

83.0893, 0.3189, 0.3404

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

82.6786, 0.3145, 0.3331

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.0893, 0.3189, 0.3404 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, 236, 225)` looks like.

```
.text, #text, p{  
    color:rgb(235, 236, 225)  
}
```

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, 236, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 236, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 83.0893, 0.3189, 0.3404 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, 236, 225) }
```

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

```
.border{ border-color:rgb(235, 236, 225) }
```

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

Here you see how a box with a 4 pixel rgb(235, 236, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 236, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 236, 225);  
box-shadow:4px 4px 4px 4px rgb(235, 236,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.0893, 0.3189, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 236, 225) }
```

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

```
.background{ background-color: rgb(235,  
236, 225) }
```

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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