

# Converting Colors

$Yxy(83.0514, 0.3421, 0.3692)$

Have a look what the booklet for  
Yxy(83.0514, 0.3421, 0.3692)  
contains.

<b>Yxy(83.0768, 0.3425, 0.3694)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(83.0768, 0.3425, 0.3694)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3ECC5
RGB	243, 236, 197
RGB Percent	95%, 93%, 77%
CMY	0.0472, 0.0744, 0.2275
CMYK	0.00, 0.03, 0.19, 0.05
HSL	51°, 66%, 86%
HSV	51°, 19%, 95%
XYZ	77.0271, 83.0768, 64.7927
YIQ	233.6470, 16.6910, -10.6450

# Conversions

## Conversions Part 2

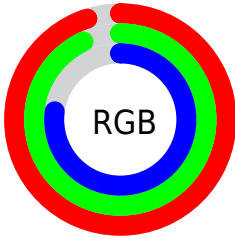
Format	Color
<a href="#">RYB</a>	<a href="#">205, 243, 197</a>
Decimal	<a href="#">15985861</a>
CIELab	<a href="#">93.05, -3.87, 19.79</a>
CIELCh	<a href="#">93, 20.166, 101.067</a>
Yxy	<a href="#">83.0768, 0.3425, 0.3694</a>
Android (android.graphics.Color)	<a href="#">4294175941 (0xFFFF3ECC5)</a>
YUV	<a href="#">233.6470, -18.0670, 8.2026</a>
Hunter-Lab	<a href="#">91.1465, -8.6576, 21.6554</a>

# Details

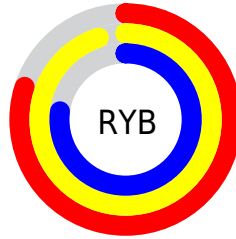
The Yxy color **83.0768, 0.3425, 0.3694** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.4988, 0.2817, 0.2851**, and the grayscale version is **82.1272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **45.1905, 0.3496, 0.3783** is the 20% darker color. If you saturate the color by 10%, you get **79.9601, 0.3593, 0.3913**, and if you desaturate by 10%, it is **86.4239, 0.3263, 0.3477**.

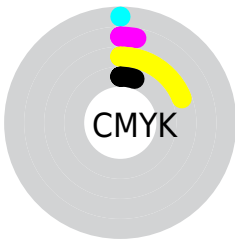
# Distribution



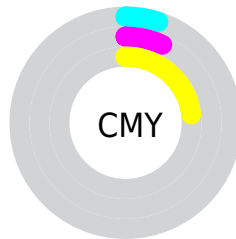
- Red (95%)
- Green (93%)
- Blue (77%)



- Red (80%)
- Yellow (95%)
- Blue (77%)



- Cyan (0%)
- Magenta (3%)
- Yellow (19%)
- Black (5%)



- Cyan (5%)
- Magenta (7%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0768, 0.3425, 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 83.0768, 0.3425, 0.3694 by changing the saturation by 10% instead.



83.0768, 0.3425,  
0.3694

83.0768, 0.3425,  
0.3694

505.2424, 0.3291,  
0.3510

62.2535, 0.3454,  
0.3735

137.6830, 0.3380,  
0.3631

45.2376, 0.3490,  
0.3785

172.2347, 0.3362,  
0.3606

31.6446, 0.3535,  
0.3848

212.1314, 0.3346,  
0.3585

21.0902, 0.3591,  
0.3929

257.7574, 0.3332,  
0.3566

13.1899, 0.3665,  
0.4037

309.4971, 0.3320,  
0.3550

7.5595, 0.3765,  
0.4187


367.7349, 0.3310,


3.8144, 0.3905,


0.3535


0.4406


432.8552, 0.3300,  
0.3522


 1.5703, 0.4357,  
0.5037


 0.3374, 0.4013,  
0.5987

 83.0768, 0.3425,  
0.3694


 83.0768, 0.3425,  
0.3694


 79.9601, 0.3593,  
0.3913

 86.4239, 0.3263,  
0.3477

 77.0540, 0.3764,  
0.4128

 89.9987, 0.3111,  
0.3268

 74.3525, 0.3931,  
0.4329

 92.8166, 0.3055,  
0.3212

 71.8453, 0.4088,  
0.4505

 95.0872, 0.3054,  
0.3248

■ 69.5207, 0.4227,  
0.4648

■ 97.4023, 0.3053,  
0.3284

■ 67.3657, 0.4341,  
0.4748

■ 97.7895, 0.3053,  
0.3290

■ 65.3645, 0.4428,  
0.4803

■ 63.4942, 0.4487,  
0.4814

■ 63.2975, 0.4493,  
0.4814

# Harmonies

## Analogous

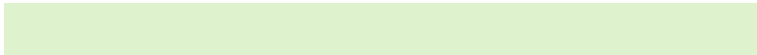
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0768, 0.3563, 0.3596



83.0768, 0.3425, 0.3694



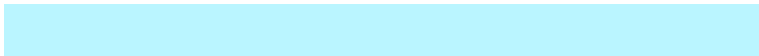
83.0768, 0.3210, 0.3679

# Triad

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



83.0768, 0.3425, 0.3694



83.0768, 0.2694, 0.3128



83.0768, 0.3268, 0.3051

# Complementary

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



83.0768, 0.3425, 0.3694



61.4988, 0.2817, 0.2851

# Split Complementary

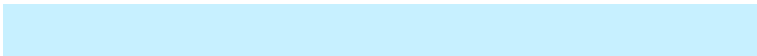
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0768, 0.3031, 0.2934



83.0768, 0.3425, 0.3694



83.0768, 0.2707, 0.2971

# Square

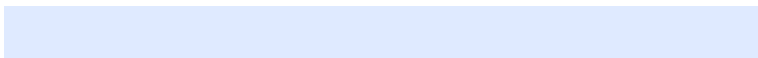
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0768, 0.3425, 0.3694



83.0768, 0.2791, 0.3341



83.0768, 0.2828, 0.2903



83.0768, 0.3471, 0.3227

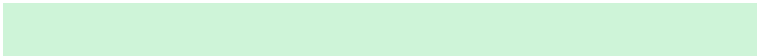


# Rectangle

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



83.0768, 0.3425, 0.3694



83.0768, 0.3053, 0.3603



83.0768, 0.2828, 0.2903



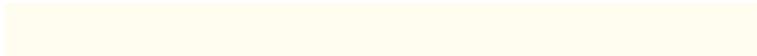
83.0768, 0.3189, 0.3004

# Sweetspot

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



83.0805, 0.3425, 0.3694



97.5857, 0.3218, 0.3415



63.3693, 0.3438, 0.3209



20.8323, 0.3228, 0.3429



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.



83.0805, 0.3425, 0.3694



91.2512, 0.3494, 0.3785



84.5505, 0.3307, 0.3778



18.8614, 0.3272, 0.3489



34.9091, 0.4488, 0.4819



3.1815, 0.4445, 0.4853



# Inverse Universe

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



61.4988, 0.2817, 0.2851



62.7715, 0.2742, 0.2741



60.4423, 0.2922, 0.2786



16.3312, 0.2979, 0.3083



4.3895, 0.1535, 0.0725

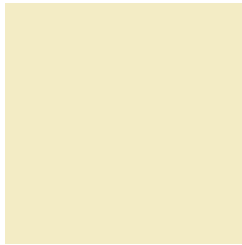


0.5047, 0.1587, 0.0914



# Previews

## White Background



This preview shows how the Yxy color 83.0768, 0.3425, 0.3694 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

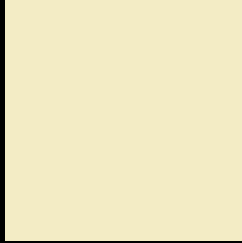
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.0768, 0.3425, 0.3694 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

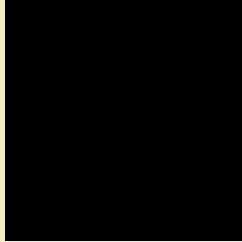
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

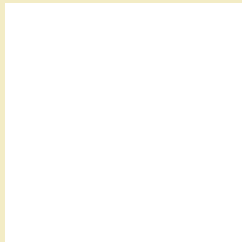
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.0768, 0.3425, 0.3694**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.0768, 0.3425, 0.3694.



This preview shows how white text looks on a background with the Yxy color 83.0768, 0.3425, 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



### Original Color

83.0768, 0.3425, 0.3694

### Protanopia

82.7876, 0.3471, 0.3680

### Deuteranopia

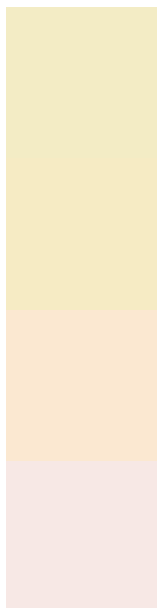
82.8115, 0.3394, 0.3431



## Tritanopia

83.0780, 0.3156, 0.3113

# Trichromacy



## Original Color

83.0768, 0.3425, 0.3694

## Protanomaly

82.9950, 0.3455, 0.3692

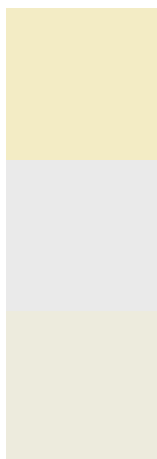
## Deuteranomaly

82.8259, 0.3410, 0.3524

## Tritanomaly

83.1445, 0.3249, 0.3321

# Monochromacy



## Original Color

83.0768, 0.3425, 0.3694

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

82.6416, 0.3229, 0.3435

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.0768, 0.3425, 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(243, 236, 197)` looks like.

```
.text, #text, p{  
    color:rgb(243, 236, 197)  
}
```

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(243, 236, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 236, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 83.0768, 0.3425, 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(243, 236, 197) }
```

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

```
.border{ border-color:rgb(243, 236, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 236, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 236, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 236, 197);  
box-shadow:4px 4px 4px 4px rgb(243, 236,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.0768, 0.3425, 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(243, 236, 197) }
```

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

```
.background{ background-color: rgb(243,  
236, 197) }
```

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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