

# Converting Colors

Yxy(83.5846, 0.3441, 0.3560)

Have a look what the booklet for  
Yxy(83.5846, 0.3441, 0.3560)  
contains.

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# Color

**Yxy(83.6167, 0.3442, 0.3563)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDE9CE
RGB	253, 233, 206
RGB Percent	99%, 91%, 81%
CMY	0.0080, 0.0862, 0.1921
CMYK	0.00, 0.08, 0.19, 0.01
HSL	35°, 92%, 90%
HSV	35°, 19%, 99%
XYZ	80.7771, 83.6167, 70.2868
YIQ	235.9020, 20.5870, -4.1570

# Conversions

## Conversions Part 2

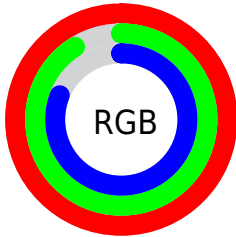
Format	Color
R <sub>Y</sub> B	241, 253, 206
Decimal	16640462
CIE Lab	93.28, 2.56, 15.57
CIE LCh	93, 15.780, 80.670
Yxy	83.6167, 0.3442, 0.3563
Android (android.graphics.Color)	4294830542 (0xFFFDE9CE)
YUV	235.9020, -14.7417, 14.9949
Hunter-Lab	91.4422, -2.3426, 18.4364

# Details

The Yxy color  $83.6167, 0.3442, 0.3563$  is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be  $74.5828, 0.2831, 0.3001$ , and the grayscale version is  $83.9044, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $45.4470, 0.3511, 0.3614$  is the 20% darker color. If you saturate the color by 10%, you get  $76.5881, 0.3641, 0.3718$ , and if you desaturate by 10%, it is  $91.2211, 0.3264, 0.3413$ .

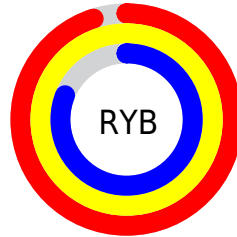
# Distribution



Red (99%)

Green (91%)

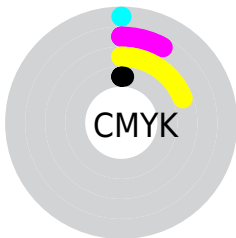
Blue (81%)



Red (95%)

Yellow (99%)

Blue (81%)

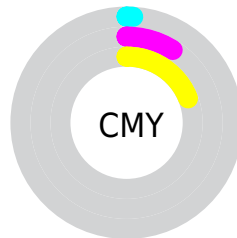


Cyan (0%)

Magenta (8%)

Yellow (19%)

Black (1%)



Cyan (1%)

Magenta (9%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6167, 0.3442, 0.3563 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 83.6167, 0.3442, 0.3563 by changing the saturation by 10% instead.



 83.6167, 0.3442,  
0.3563

 83.6167, 0.3442,  
0.3563

507.0395, 0.3300,  
0.3441

 62.6990, 0.3474,  
0.3590


138.4389, 0.3393,  
0.3521

 45.5978, 0.3513,  
0.3623

173.1122, 0.3374,  
0.3505

 31.9285, 0.3561,  
0.3664


213.1394, 0.3357,  
0.3491

 21.3069, 0.3623,  
0.3716

258.9051, 0.3343,  
0.3478

 13.3485, 0.3706,  
0.3784

310.7935, 0.3330,  
0.3467

 7.6690, 0.3821,  
0.3878

369.1892, 0.3319,

 3.8839, 0.3990,

0.3457

0.4014

434.4764, 0.3309,  
0.3449

■ 1.6088, 0.4336,  
0.4295

■ 0.3635, 0.5288,  
0.4712

■ 83.6167, 0.3442,  
0.3563

■ 83.6167, 0.3442,  
0.3563

■ 76.5881, 0.3641,  
0.3718

■ 91.2211, 0.3264,  
0.3413

■ 70.1080, 0.3860,  
0.3873

99.3010, 0.3115,  
0.3285

■ 64.1634, 0.4095,  
0.4019

99.6142, 0.3115,  
0.3290

■ 58.7360, 0.4340,  
0.4148

■ 53.8064, 0.4585,  
0.4246

■ 49.3530, 0.4816,  
0.4301

■ 45.3513, 0.5020,  
0.4303

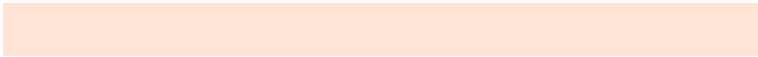
■ 41.7698, 0.5189,  
0.4253

■ 41.2817, 0.5212,  
0.4244

# Harmonies

## Analogous

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



83.6167, 0.3487, 0.3445



83.6167, 0.3442, 0.3563



83.6167, 0.3312, 0.3611

# Triad

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



83.6167, 0.3442, 0.3563



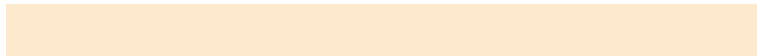
83.6167, 0.2830, 0.3276



83.6167, 0.3112, 0.3032

# Complementary

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



83.6167, 0.3442, 0.3563



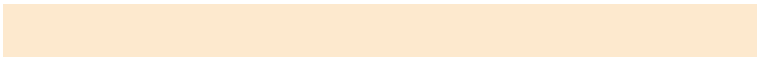
74.5828, 0.2831, 0.3001

# Split Complementary

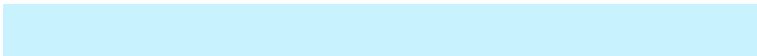
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6167, 0.2939, 0.2985



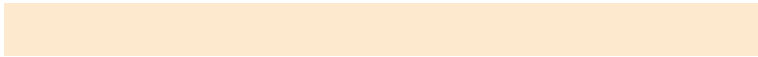
83.6167, 0.3442, 0.3563



83.6167, 0.2780, 0.3120

# Square

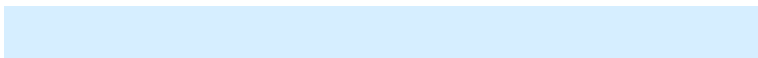
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6167, 0.3442, 0.3563



83.6167, 0.2959, 0.3443



83.6167, 0.2819, 0.3015



83.6167, 0.3293, 0.3143

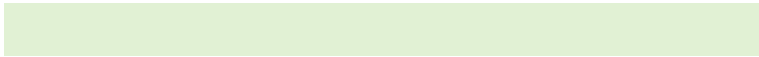


# Rectangle

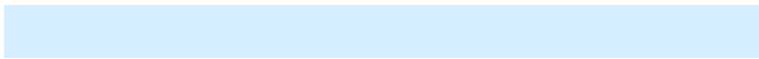
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6167, 0.3442, 0.3563



83.6167, 0.3196, 0.3592



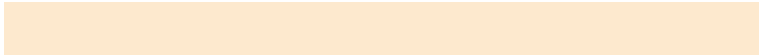
83.6167, 0.2819, 0.3015



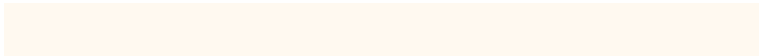
83.6167, 0.3051, 0.3009

# Sweetspot

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



83.6204, 0.3442, 0.3563



94.9769, 0.3221, 0.3375



70.5376, 0.3338, 0.3085



20.2147, 0.3232, 0.3385



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

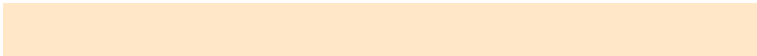


# Same Dimension

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



83.6204, 0.3442, 0.3563



82.6266, 0.3508, 0.3616



94.9715, 0.3387, 0.3757



19.7224, 0.3280, 0.3427



22.2641, 0.5191, 0.4260



2.3844, 0.5046, 0.4376

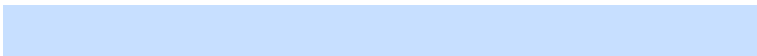


# Inverse Universe

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



74.5828, 0.2831, 0.3001



71.9789, 0.2773, 0.2940



64.8188, 0.2840, 0.2783



18.6461, 0.2979, 0.3150



9.6923, 0.1704, 0.1333

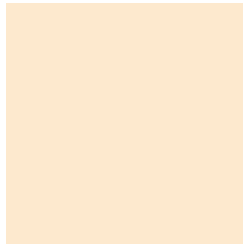


1.1548, 0.1765, 0.1553



# Previews

## White Background



This preview shows how the Yxy color 83.6167, 0.3442, 0.3563 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

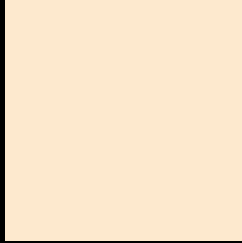
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.6167, 0.3442, 0.3563 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

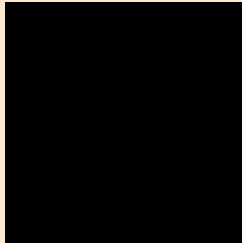
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.6167, 0.3442, 0.3563**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.6167, 0.3442, 0.3563.

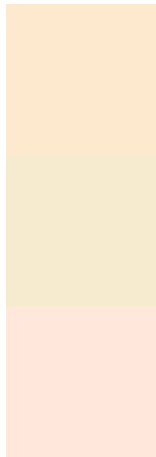


This preview shows how white text looks on a background with the Yxy color 83.6167, 0.3442, 0.3563.

# 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

83.6167, 0.3442, 0.3563

### Protanopia

83.6958, 0.3390, 0.3576

### Deuteranopia

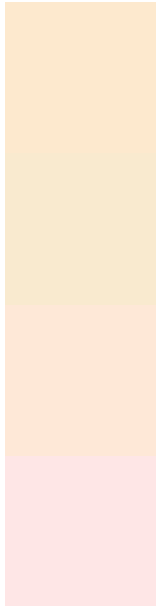
83.5791, 0.3366, 0.3400



## Tritanopia

83.8303, 0.3209, 0.3144

# Trichromacy



## Original Color

83.6167, 0.3442, 0.3563

## Protanomaly

83.4904, 0.3406, 0.3565

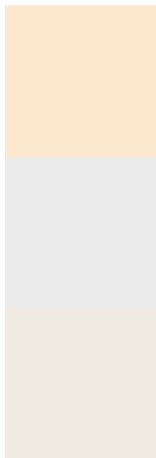
## Deuteranomaly

83.6904, 0.3391, 0.3461

## Tritanomaly

83.3776, 0.3293, 0.3291

# Monochromacy



## Original Color

83.6167, 0.3442, 0.3563

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.7301, 0.3238, 0.3392

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.6167, 0.3442, 0.3563 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(253, 233, 206)` looks like.

```
.text, #text, p{  
    color:rgb(253, 233, 206)  
}
```

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(253, 233, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 233, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 83.6167, 0.3442, 0.3563 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(253, 233, 206) }
```

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

```
.border{ border-color:rgb(253, 233, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 233, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 233, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 233, 206);  
box-shadow:4px 4px 4px 4px rgb(253, 233,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.6167, 0.3442, 0.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 233, 206) }
```

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

```
.background{ background-color: rgb(253,  
233, 206) }
```

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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