

# Converting Colors

$Y_{xy}(83.7253, 0.3340, 0.3614)$

Have a look what the booklet for  
Yxy(83.7253, 0.3340, 0.3614)  
contains.

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# Color

**Yxy(83.5499, 0.3344, 0.3611)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0EDCE
RGB	240, 237, 206
RGB Percent	94%, 93%, 81%
CMY	0.0587, 0.0706, 0.1921
CMYK	0.00, 0.01, 0.14, 0.06
HSL	55°, 53%, 87%
HSV	55°, 14%, 94%
XYZ	77.3722, 83.5499, 70.4540
YIQ	234.3630, 11.7390, -9.0050

# Conversions

## Conversions Part 2

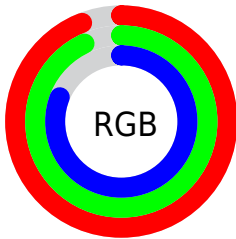
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 240, 206
Decimal	15789518
CIE Lab	93.25, -4.07, 15.38
CIE LCh	93, 15.912, 104.807
Yxy	83.5499, 0.3344, 0.3611
Android (android.graphics.Color)	4293979598 (0xFFFF0EDCE)
YUV	234.3630, -13.9830, 4.9436
Hunter-Lab	91.4056, -8.8649, 18.2842

# Details

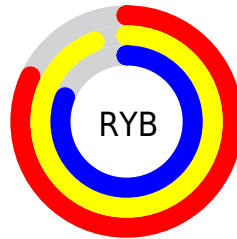
The Yxy color **83.5499, 0.3344, 0.3611** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.0546, 0.2900, 0.2947**, and the grayscale version is **82.6773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5051, 0.3391, 0.3677** is the 20% darker color. If you saturate the color by 10%, you get **81.2359, 0.3504, 0.3844**, and if you desaturate by 10%, it is **86.0644, 0.3189, 0.3383**.

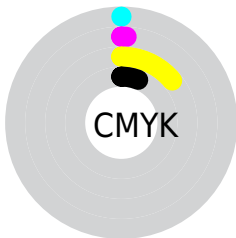
# Distribution



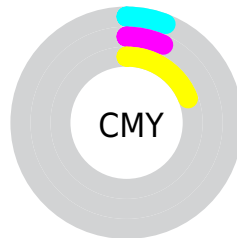
- Red (94%)
- Green (93%)
- Blue (81%)



- Red (82%)
- Yellow (94%)
- Blue (81%)



- Cyan (0%)
- Magenta (1%)
- Yellow (14%)
- Black (6%)




- Cyan (6%)
- Magenta (7%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5499, 0.3344, 0.3611 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 83.5499, 0.3344, 0.3611 by changing the saturation by 10% instead.




 83.5499, 0.3344,  
0.3611

 83.5499, 0.3344,  
0.3611


506.8174, 0.3247,  
0.3465

 62.6439, 0.3365,  
0.3644


138.3454, 0.3311,  
0.3561

 45.5532, 0.3392,  
0.3684


173.0036, 0.3298,  
0.3541

 31.8934, 0.3424,  
0.3734


213.0148, 0.3286,  
0.3524

 21.2801, 0.3466,  
0.3799

258.7632, 0.3277,  
0.3509

 13.3289, 0.3520,  
0.3886

310.6332, 0.3268,  
0.3496

 7.6554, 0.3595,  
0.4008

369.0094, 0.3260,

 3.8752, 0.3703,

0.3485

0.4191

434.2759, 0.3253,  
0.3474

■ 1.6040, 0.3939,  
0.4572

■ 0.3603, 0.4030,  
0.5970

■ 83.5499, 0.3344,  
0.3611

■ 83.5499, 0.3344,  
0.3611

■ 81.2359, 0.3504,  
0.3844

■ 86.0644, 0.3189,  
0.3383

■ 79.1032, 0.3666,  
0.4074

■ 88.7759, 0.3043,  
0.3164

■ 77.1469, 0.3824,  
0.4294

■ 90.1218, 0.3037,  
0.3176

■ 75.3573, 0.3971,  
0.4492

■ 91.4204, 0.3037,  
0.3197

73.7241, 0.4101,  
0.4659

92.7342, 0.3037,  
0.3219

72.2354, 0.4208,  
0.4787

94.0632, 0.3036,  
0.3240

70.8777, 0.4289,  
0.4871

95.4074, 0.3036,  
0.3261

69.6342, 0.4341,  
0.4910

96.7670, 0.3036,  
0.3282

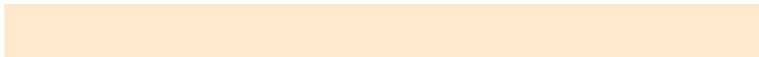
68.9476, 0.4362,  
0.4918

97.2725, 0.3036,  
0.3290

# Harmonies

## Analogous

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



83.5499, 0.3461, 0.3547



83.5499, 0.3344, 0.3611



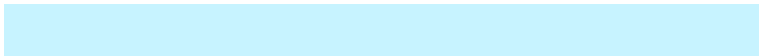
83.5499, 0.3171, 0.3586

# Triad

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



83.5499, 0.3344, 0.3611



83.5499, 0.2780, 0.3146



83.5499, 0.3261, 0.3116

# Complementary

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



83.5499, 0.3344, 0.3611



65.0546, 0.2900, 0.2947

# Split Complementary

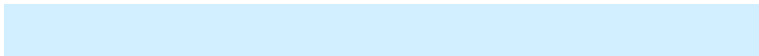
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5499, 0.3075, 0.3015



83.5499, 0.3344, 0.3611



83.5499, 0.2802, 0.3028

# Square

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



83.5499, 0.3344, 0.3611



83.5499, 0.2848, 0.3310



83.5499, 0.2909, 0.2982



83.5499, 0.3413, 0.3261

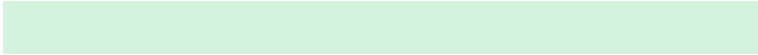


# Rectangle

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



83.5499, 0.3344, 0.3611



83.5499, 0.3047, 0.3519



83.5499, 0.2909, 0.2982



83.5499, 0.3200, 0.3076

# Sweetspot

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



83.5536, 0.3344, 0.3611



98.7784, 0.3187, 0.3379



67.3101, 0.3365, 0.3255



21.0944, 0.3198, 0.3396



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.



83.5536, 0.3344, 0.3611



95.0615, 0.3390, 0.3678



83.0409, 0.3246, 0.3652



18.2025, 0.3270, 0.3503



37.8305, 0.4359, 0.4921



3.2175, 0.4335, 0.4940



# Inverse Universe

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



65.0546, 0.2900, 0.2947



70.0394, 0.2849, 0.2870



65.6048, 0.2995, 0.2923



15.4565, 0.2980, 0.3068



3.8282, 0.1517, 0.0660

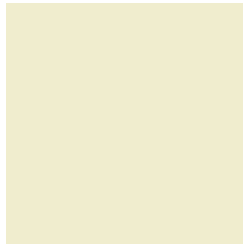


0.3957, 0.1555, 0.0798



# Previews

## White Background



This preview shows how the Yxy color 83.5499, 0.3344, 0.3611 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

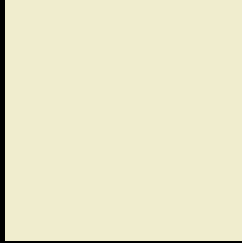
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.5499, 0.3344, 0.3611 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

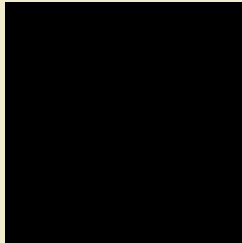
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

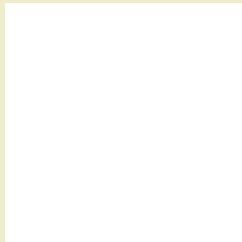
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.5499, 0.3344, 0.3611**

## Background



This preview shows how black text looks on a background with the Yxy color 83.5499, 0.3344, 0.3611.

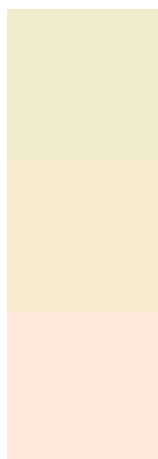


This preview shows how white text looks on a background with the Yxy color 83.5499, 0.3344, 0.3611.

# 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

83.5499, 0.3344, 0.3611

### Protanopia

83.5986, 0.3403, 0.3597

### Deuteranopia

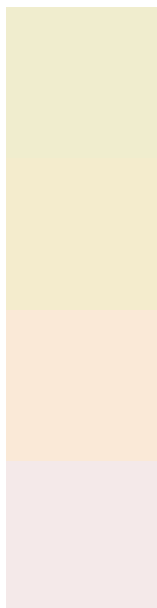
83.5791, 0.3366, 0.3400



## Tritanopia

83.5842, 0.3115, 0.3112

# Trichromacy



## Original Color

83.5499, 0.3344, 0.3611

## Protanomaly

83.6318, 0.3380, 0.3609

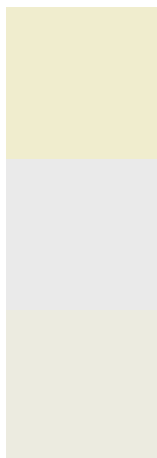
## Deuteranomaly

83.5081, 0.3361, 0.3472

## Tritanomaly

83.3941, 0.3202, 0.3290

# Monochromacy



## Original Color

83.5499, 0.3344, 0.3611

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

82.6313, 0.3203, 0.3404

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.5499, 0.3344, 0.3611 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(240, 237, 206)` looks like.

```
.text, #text, p{  
    color:rgb(240, 237, 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(240, 237, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 237, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 83.5499, 0.3344, 0.3611 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(240, 237, 206) }
```

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

```
.border{ border-color:rgb(240, 237, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 237, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 237, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 237, 206);  
box-shadow:4px 4px 4px 4px rgb(240, 237,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.5499, 0.3344, 0.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 237, 206) }
```

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

```
.background{ background-color: rgb(240,  
237, 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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