

# Converting Colors

Yxy(84.0399, 0.3306, 0.3599)

Have a look what the booklet for  
Yxy(84.0399, 0.3306, 0.3599)  
contains.

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# Color

**Yxy(83.7570, 0.3302, 0.3592)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDEED1
RGB	237, 238, 209
RGB Percent	93%, 93%, 82%
CMY	0.0708, 0.0666, 0.1804
CMYK	0.00, 0.00, 0.12, 0.07
HSL	62°, 46%, 88%
HSV	62°, 12%, 93%
XYZ	76.9949, 83.7570, 72.4246
YIQ	234.3950, 8.7130, -9.2310

# Conversions

## Conversions Part 2

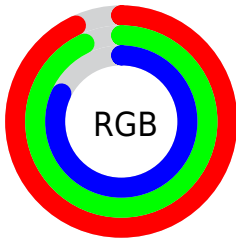
Format	Color
R <sub>Y</sub> B	209, 238, 210
Decimal	15593169
CIE Lab	93.34, -5.22, 13.94
CIE LCh	93, 14.885, 110.511
Yxy	83.7570, 0.3302, 0.3592
Android (android.graphics.Color)	4293783249 (0xFFEDED1)
YUV	234.3950, -12.5197, 2.2846
Hunter-Lab	91.5189, -9.9858, 17.1433

# Details

The Yxy color **83.7570, 0.3302, 0.3592** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.4829, 0.2941, 0.2971**, and the grayscale version is **82.6829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6462, 0.3337, 0.3653** is the 20% darker color. If you saturate the color by 10%, you get **82.5177, 0.3448, 0.3847**, and if you desaturate by 10%, it is **85.1805, 0.3158, 0.3343**.

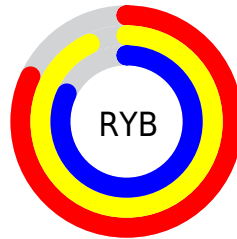
# Distribution



Red (93%)

Green (93%)

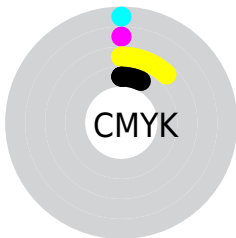
Blue (82%)



Red (82%)

Yellow (93%)

Blue (82%)

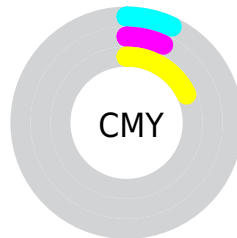


Cyan (0%)

Magenta (0%)

Yellow (12%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7570, 0.3302, 0.3592 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 83.7570, 0.3302, 0.3592 by changing the saturation by 10% instead.



83.7570, 0.3302,  
0.3592

83.7570, 0.3302,  
0.3592

507.5059, 0.3224,  
0.3454

62.8148, 0.3319,  
0.3623

138.6352, 0.3275,  
0.3545

45.6914, 0.3340,  
0.3661

173.3400, 0.3265,  
0.3526

32.0024, 0.3366,  
0.3709

213.4012, 0.3256,  
0.3510

21.3633, 0.3399,  
0.3770

259.2031, 0.3248,  
0.3496

13.3898, 0.3443,  
0.3853

311.1301, 0.3241,  
0.3484

7.6975, 0.3503,  
0.3970

369.5667, 0.3235,

3.9020, 0.3589,

0.3473

0.4147

434.8972, 0.3229,  
0.3463

■ 1.6189, 0.3758,  
0.4486

■ 0.3703, 0.3776,  
0.6224

■ 83.7570, 0.3302,  
0.3592

■ 83.7570, 0.3302,  
0.3592

■ 82.5177, 0.3448,  
0.3847

■ 85.1805, 0.3158,  
0.3343

■ 81.4438, 0.3592,  
0.4099

■ 86.6812, 0.3029,  
0.3121

■ 80.5307, 0.3729,  
0.4341


■ 86.8341, 0.3035,  
0.3122

■ 79.7692, 0.3853,  
0.4563


■ 86.9878, 0.3041,  
0.3122


 79.1493, 0.3957,  
0.4753


 87.1422, 0.3046,  
0.3122


 78.6599, 0.4038,  
0.4905

 87.2974, 0.3052,  
0.3122

 78.2880, 0.4092,  
0.5013

 87.4533, 0.3057,  
0.3123

 78.0181, 0.4120,  
0.5078

 87.6099, 0.3063,  
0.3123

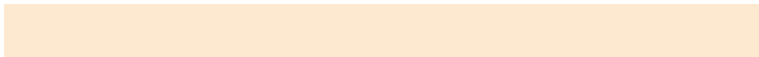
 77.8594, 0.4128,  
0.5104

 87.7673, 0.3069,  
0.3123

# Harmonies

## Analogous

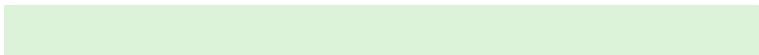
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7570, 0.3424, 0.3547



83.7570, 0.3302, 0.3592



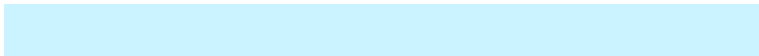
83.7570, 0.3135, 0.3552

# Triad

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



83.7570, 0.3302, 0.3592



83.7570, 0.2800, 0.3130



83.7570, 0.3283, 0.3151

# Complementary

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



83.7570, 0.3302, 0.3592



65.4829, 0.2941, 0.2971

# Split Complementary

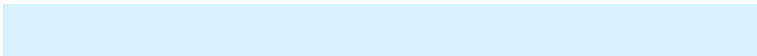
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7570, 0.3112, 0.3046



83.7570, 0.3302, 0.3592



83.7570, 0.2836, 0.3031

# Square

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



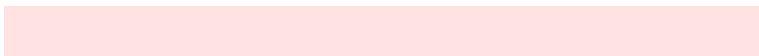
83.7570, 0.3302, 0.3592



83.7570, 0.2848, 0.3278



83.7570, 0.2949, 0.3002



83.7570, 0.3414, 0.3291

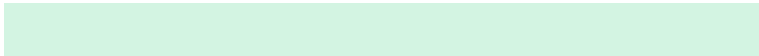


# Rectangle

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



83.7570, 0.3302, 0.3592



83.7570, 0.3021, 0.3481



83.7570, 0.2949, 0.3002



83.7570, 0.3228, 0.3110

# Sweetspot

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



83.7607, 0.3302, 0.3592



99.2891, 0.3184, 0.3388



68.8578, 0.3347, 0.3301



21.2242, 0.3195, 0.3406



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.



83.7607, 0.3302, 0.3592



97.5102, 0.3344, 0.3665



81.3796, 0.3203, 0.3601



18.4276, 0.3263, 0.3524



43.4420, 0.4129, 0.5103



3.6232, 0.4138, 0.5096



# Inverse Universe

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



65.4829, 0.2941, 0.2971



71.6471, 0.2893, 0.2888



67.6952, 0.3043, 0.2980



15.2565, 0.2985, 0.3046



3.4876, 0.1511, 0.0606

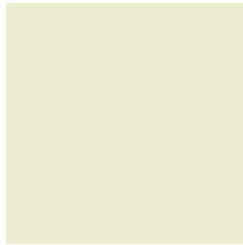


0.2999, 0.1541, 0.0623



# Previews

## White Background



This preview shows how the Yxy color 83.7570, 0.3302, 0.3592 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

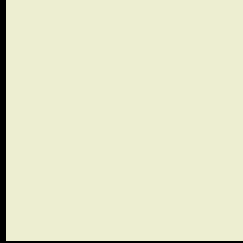
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.7570, 0.3302, 0.3592 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

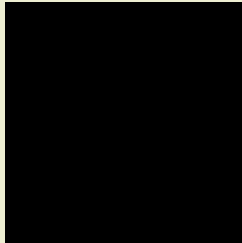
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

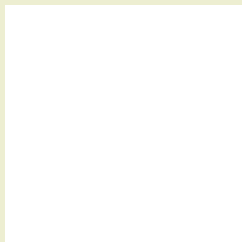
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.7570, 0.3302, 0.3592**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.7570, 0.3302, 0.3592.

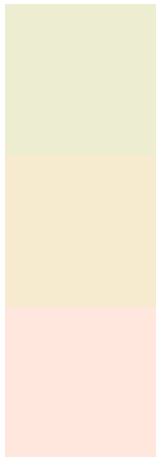


This preview shows how white text looks on a background with the Yxy color 83.7570, 0.3302, 0.3592.

# 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

83.7570, 0.3302, 0.3592

### Protanopia

83.6958, 0.3390, 0.3576

### Deuteranopia

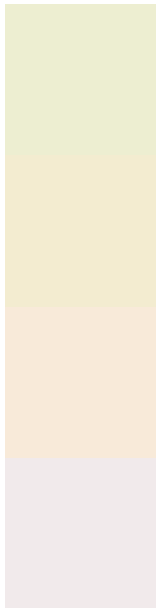
83.6858, 0.3353, 0.3380



## Tritanopia

83.6700, 0.3089, 0.3111

# Trichromacy



## Original Color

83.7570, 0.3302, 0.3592

## Protanomaly

83.5997, 0.3353, 0.3578

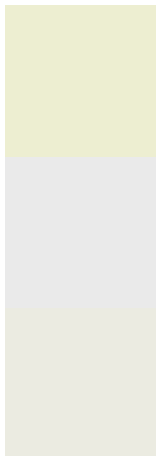
## Deuteranomaly

83.8118, 0.3332, 0.3463

## Tritanomaly

83.5446, 0.3168, 0.3280

# Monochromacy



## Original Color

83.7570, 0.3302, 0.3592

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

82.5151, 0.3190, 0.3394

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.7570, 0.3302, 0.3592 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(237, 238, 209)` looks like.

```
.text, #text, p{  
    color:rgb(237, 238, 209)  
}
```

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(237, 238, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 238, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 83.7570, 0.3302, 0.3592 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(237, 238, 209) }
```

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

```
.border{ border-color:rgb(237, 238, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 238, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 238, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 238, 209);  
box-shadow:4px 4px 4px 4px rgb(237, 238,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.7570, 0.3302, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 238, 209) }
```

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

```
.background{ background-color: rgb(237,  
238, 209) }
```

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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