

# Converting Colors

$Yxy(93.7091, 0.3310, 0.3803)$

Have a look what the booklet for  
Yxy(93.7091, 0.3310, 0.3803)  
contains.

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# Color

**Yxy(93.8842, 0.3311, 0.3810)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFFCC
RGB	237, 255, 204
RGB Percent	93%, 100%, 80%
CMY	0.0705, 0.0000, 0.2000
CMYK	0.07, 0.00, 0.20, 0.00
HSL	81°, 100%, 90%
HSV	81°, 20%, 100%
XYZ	81.5881, 93.8842, 70.9429
YIQ	243.8040, 5.6430, -19.6770

# Conversions

## Conversions Part 2

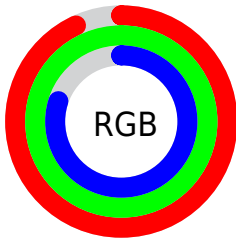
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 255, 222
Decimal	15597516
CIE <sub>Lab</sub>	97.59, -14.40, 22.45
CIE <sub>LCh</sub>	98, 26.674, 122.682
Yxy	93.8842, 0.3311, 0.3810
Android (android.graphics.Color)	4293787596 (0xFFEDFFCC)
YUV	243.8040, -19.6234, -5.9671
Hunter-Lab	96.8939, -19.2609, 24.4152

# Details

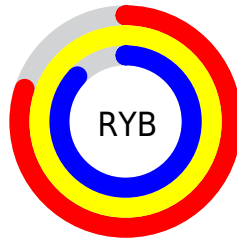
The Yxy color **93.8842, 0.3311, 0.3810** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.9284, 0.2915, 0.2755**, and the grayscale version is **90.4622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.4139, 0.3345, 0.3918** is the 20% darker color. If you saturate the color by 10%, you get **91.2533, 0.3400, 0.4090**, and if you desaturate by 10%, it is **96.7992, 0.3219, 0.3542**.

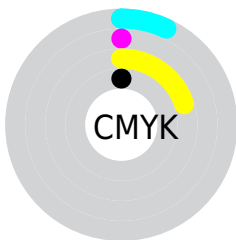
# Distribution



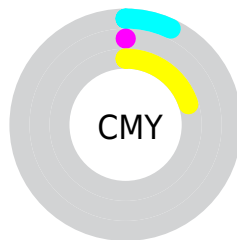
- Red (93%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (87%)



- Cyan (7%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.8842, 0.3311, 0.3810 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 93.8842, 0.3311, 0.3810 by changing the saturation by 10% instead.




 93.8842, 0.3311,  
0.3810

 93.8842, 0.3311,  
0.3810


540.5867, 0.3233,  
0.3575

 71.2066, 0.3327,  
0.3862


152.7222, 0.3285,  
0.3729

 52.5109, 0.3346,  
0.3926


189.6514, 0.3275,  
0.3698

 37.4124, 0.3369,  
0.4006

232.1000, 0.3266,  
0.3670

 25.5270, 0.3397,  
0.4109

280.4522, 0.3258,  
0.3646

 16.4701, 0.3431,  
0.4245

335.0927, 0.3251,  
0.3625

 9.8574, 0.3473,  
0.4433

396.4056, 0.3244,

 5.3045, 0.3523,

0.3607

0.4709

464.7755, 0.3238,  
0.3590

■ 2.4270, 0.3614,  
0.5206

■ 0.8397, 0.3472,  
0.6528

■ 93.8842, 0.3311,  
0.3810

■ 93.8842, 0.3311,  
0.3810

■ 91.2533, 0.3400,  
0.4090

■ 96.7992, 0.3219,  
0.3542

■ 88.8863, 0.3481,  
0.4375

99.9992, 0.3127,  
0.3290

■ 86.7746, 0.3551,  
0.4653

100.0000, 0.3127,  
0.3290

■ 84.9055, 0.3602,  
0.4912

■ 83.2649, 0.3632,  
0.5140

■ 81.8368, 0.3637,  
0.5324

■ 80.6021, 0.3616,  
0.5457

■ 79.5311, 0.3575,  
0.5543

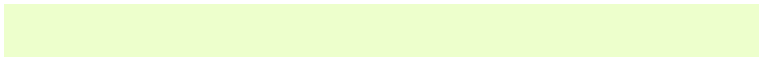
# Harmonies

## Analogous

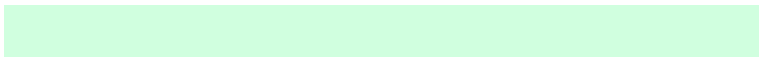
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8842, 0.3566, 0.3780



93.8842, 0.3311, 0.3810



93.8842, 0.3015, 0.3682

# Triad

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



93.8842, 0.3311, 0.3810



93.8842, 0.2580, 0.2928



93.8842, 0.3501, 0.3142

# Complementary

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



93.8842, 0.3311, 0.3810



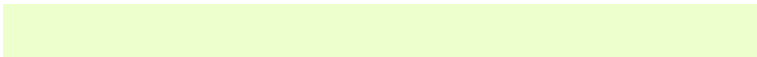
65.9284, 0.2915, 0.2755

# Split Complementary

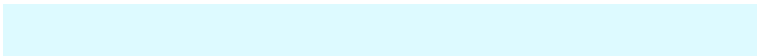
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.8842, 0.3220, 0.2940



93.8842, 0.3311, 0.3810



93.8842, 0.2695, 0.2814

# Square

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



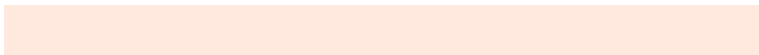
93.8842, 0.3311, 0.3810



93.8842, 0.2602, 0.3152



93.8842, 0.2925, 0.2821

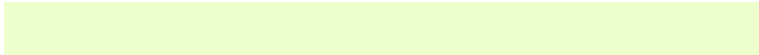


93.8842, 0.3682, 0.3386

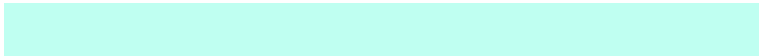


# Rectangle

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



93.8842, 0.3311, 0.3810



93.8842, 0.2835, 0.3524



93.8842, 0.2925, 0.2821



93.8842, 0.3415, 0.3068

# Sweetspot

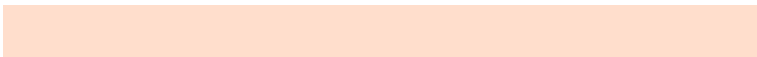
The Sweet Spot groups the original color and five complimentary colors.



93.8873, 0.3311, 0.3810



98.0448, 0.3182, 0.3439



77.7802, 0.3492, 0.3472



20.9414, 0.3188, 0.3455



0.0000, 0.0000, 0.0000

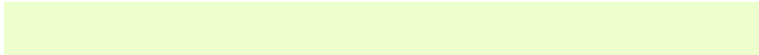


21.4041, 0.3127, 0.3290

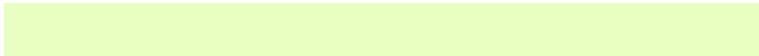


# Same Dimension

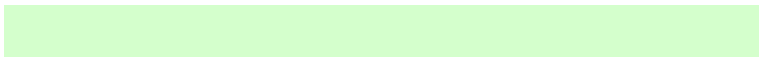
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.8873, 0.3311, 0.3810



92.8015, 0.3347, 0.3921



89.8237, 0.3148, 0.3837



20.7516, 0.3214, 0.3529



41.6433, 0.3585, 0.5535



4.1158, 0.3655, 0.5480



# Inverse Universe

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



65.9284, 0.2915, 0.2755



60.2183, 0.2864, 0.2636



70.2406, 0.3095, 0.2783



17.6892, 0.3034, 0.3048



4.9807, 0.1770, 0.0749

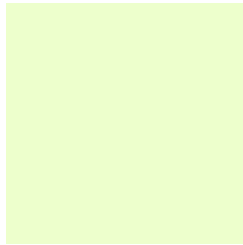


0.5433, 0.1893, 0.0816



# Previews

## White Background



This preview shows how the Yxy color 93.8842, 0.3311, 0.3810 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

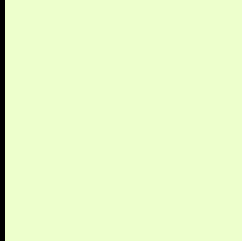
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.8842, 0.3311, 0.3810 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

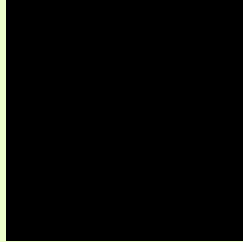
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

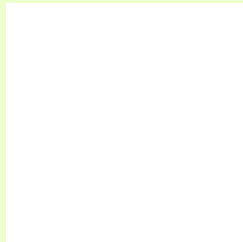
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.8842, 0.3311, 0.3810**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.8842, 0.3311, 0.3810.

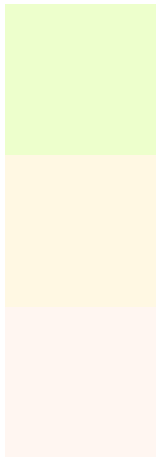


This preview shows how white text looks on a background with the Yxy color 93.8842, 0.3311, 0.3810.

# 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

93.8842, 0.3311, 0.3810

### Protanopia

93.9409, 0.3300, 0.3496

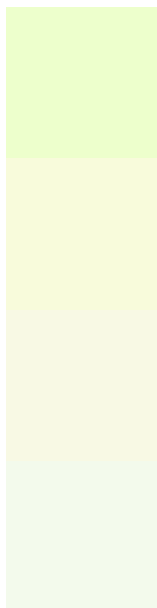
### Deuteranopia

93.5224, 0.3216, 0.3339

## **Tritanopia**

93.5157, 0.3080, 0.3212

# Trichromacy



## Original Color

93.8842, 0.3311, 0.3810

## Protanomaly

94.0653, 0.3299, 0.3608

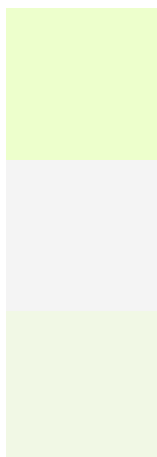
## Deuteranomaly

93.3093, 0.3246, 0.3498

## Tritanomaly

93.4820, 0.3165, 0.3429

# Monochromacy



## Original Color

93.8842, 0.3311, 0.3810

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

91.4927, 0.3195, 0.3481

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.8842, 0.3311, 0.3810 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, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 204)  
}
```

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, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 93.8842, 0.3311, 0.3810 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, 255, 204) }
```

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

```
.border{ border-color:rgb(237, 255, 204) }
```

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

Here you see how a box with a 4 pixel rgb(237, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.8842, 0.3311, 0.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 204) }
```

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

```
.background{ background-color: rgb(237,  
255, 204) }
```

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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