

# Converting Colors

$Y_{xy}(148.5744, 0.3236, 0.4451)$

Have a look what the booklet for  
Yxy(148.5744, 0.3236, 0.4451)  
contains.

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# Color

**Yxy(93.3057, 0.3327, 0.3864)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFFC7
RGB	235, 255, 199
RGB Percent	92%, 100%, 78%
CMY	0.0783, 0.0000, 0.2195
CMYK	0.08, 0.00, 0.22, 0.00
HSL	81°, 100%, 89%
HSV	81°, 22%, 100%
XYZ	80.3385, 93.3057, 67.8302
YIQ	242.6360, 6.0560, -21.6560

# Conversions

## Conversions Part 2

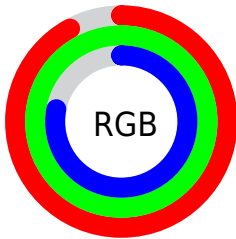
Format	Color
<a href="#">RYB</a>	<a href="#">199, 255, 219</a>
Decimal	<a href="#">15466439</a>
CIELab	<a href="#">97.35, -15.83, 24.62</a>
CIElCh	<a href="#">97, 29.274, 122.744</a>
Yxy	<a href="#">93.3057, 0.3327, 0.3864</a>
Android (android.graphics.Color)	<a href="#">4293656519 (0xFFEBFFC7)</a>
YUV	<a href="#">242.6360, -21.5125, -6.6968</a>
Hunter-Lab	<a href="#">96.5949, -20.5815, 25.9822</a>

# Details

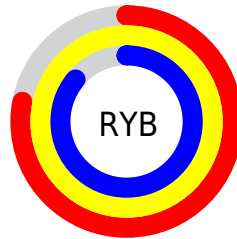
The Yxy color **93.3057, 0.3327, 0.3864** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.1462, 0.2892, 0.2698**, and the grayscale version is **89.5011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.0162, 0.3366, 0.3988** is the 20% darker color. If you saturate the color by 10%, you get **90.7124, 0.3414, 0.4146**, and if you desaturate by 10%, it is **96.1849, 0.3236, 0.3593**.

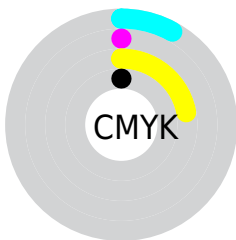
# Distribution



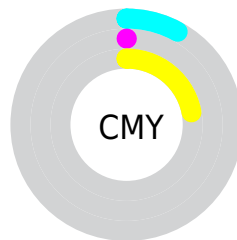
- Red (92%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (86%)



- Cyan (8%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.3057, 0.3327, 0.3864 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 93.3057, 0.3327, 0.3864 by changing the saturation by 10% instead.




 93.3057, 0.3327,  
0.3864

 93.3057, 0.3327,  
0.3864


538.7265, 0.3243,  
0.3604

 70.7256, 0.3344,  
0.3922

151.9218, 0.3299,  
0.3775

 52.1183, 0.3365,  
0.3993


188.7266, 0.3288,  
0.3740

 37.0994, 0.3389,  
0.4082


231.0417, 0.3278,  
0.3709

 25.2845, 0.3418,  
0.4196

279.2516, 0.3270,  
0.3683

 16.2891, 0.3454,  
0.4347

333.7406, 0.3262,  
0.3660

 9.7290, 0.3496,  
0.4556

394.8932, 0.3255,

 5.2196, 0.3543,

0.3639

0.4861

463.0937, 0.3248,  
0.3620

■ 2.3767, 0.3669,  
0.5478

■ 0.8139, 0.3223,  
0.6777

■ 93.3057, 0.3327,  
0.3864

■ 93.3057, 0.3327,  
0.3864

■ 90.7124, 0.3414,  
0.4146

■ 96.1849, 0.3236,  
0.3593

■ 88.3817, 0.3493,  
0.4431

■ 99.3482, 0.3145,  
0.3337

■ 86.3058, 0.3558,  
0.4707

■ 99.9984, 0.3127,  
0.3290

■ 84.4717, 0.3605,  
0.4962

■ 82.8648, 0.3629,  
0.5183

■ 81.4687, 0.3629,  
0.5358

■ 80.2635, 0.3603,  
0.5482

■ 79.4085, 0.3568,  
0.5549

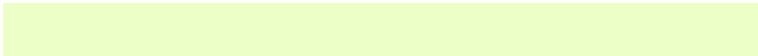
# Harmonies

## Analogous

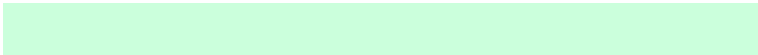
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.3057, 0.3608, 0.3829



93.3057, 0.3327, 0.3864



93.3057, 0.3002, 0.3723

# Triad

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



93.3057, 0.3327, 0.3864



93.3057, 0.2528, 0.2891



93.3057, 0.3539, 0.3128

# Complementary

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



93.3057, 0.3327, 0.3864



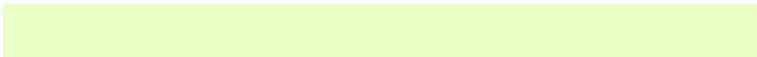
63.1462, 0.2892, 0.2698

# Split Complementary

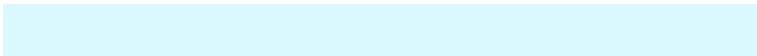
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.3057, 0.3229, 0.2908



93.3057, 0.3327, 0.3864



93.3057, 0.2653, 0.2768

# Square

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



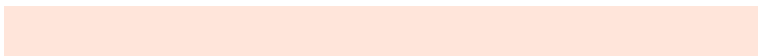
93.3057, 0.3327, 0.3864



93.3057, 0.2552, 0.3135



93.3057, 0.2905, 0.2778



93.3057, 0.3738, 0.3394

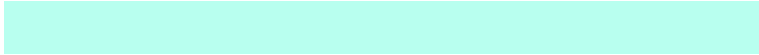


# Rectangle

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



93.3057, 0.3327, 0.3864



93.3057, 0.2805, 0.3547



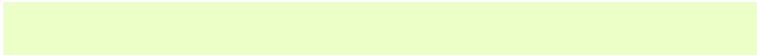
93.3057, 0.2905, 0.2778



93.3057, 0.3444, 0.3047

# Sweetspot

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



93.3098, 0.3327, 0.3864



97.7147, 0.3191, 0.3464



75.8518, 0.3534, 0.3491



20.8742, 0.3196, 0.3480



0.0000, 0.0000, 0.0000

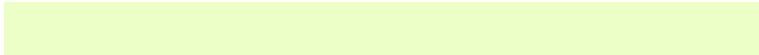


21.4041, 0.3127, 0.3290

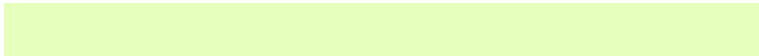


# Same Dimension

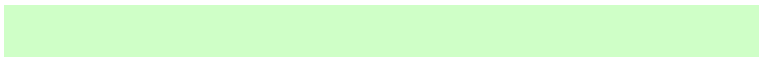
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.3098, 0.3327, 0.3864



92.2257, 0.3363, 0.3978



88.9714, 0.3150, 0.3897



20.7475, 0.3214, 0.3529



41.5805, 0.3578, 0.5541



4.1100, 0.3648, 0.5485



# Inverse Universe

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



63.1462, 0.2892, 0.2698



57.5377, 0.2840, 0.2576



67.7864, 0.3091, 0.2732



17.6932, 0.3035, 0.3048



5.0111, 0.1776, 0.0752

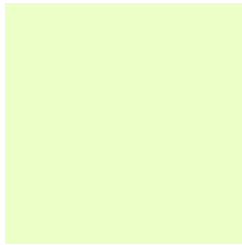


0.5466, 0.1900, 0.0820



# Previews

## White Background



This preview shows how the Yxy color 93.3057, 0.3327, 0.3864 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

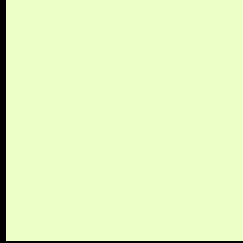
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.3057, 0.3327, 0.3864 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

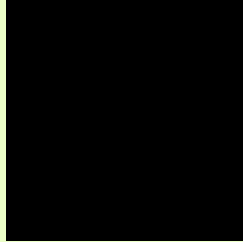
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

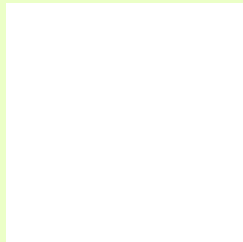
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.3057, 0.3327, 0.3864**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.3057, 0.3327, 0.3864.

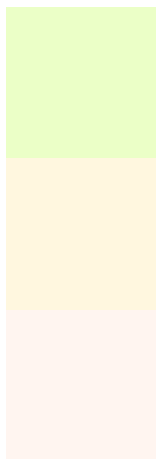


This preview shows how white text looks on a background with the Yxy color 93.3057, 0.3327, 0.3864.

# 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

93.3057, 0.3327, 0.3864

### Protanopia

93.1092, 0.3325, 0.3526

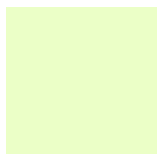
### Deuteranopia

92.8561, 0.3222, 0.3339

## **Tritanopia**

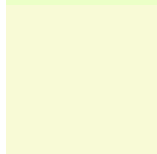
93.3344, 0.3074, 0.3212

# Trichromacy



## Original Color

93.3057, 0.3327, 0.3864



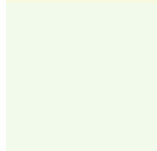
## Protanomaly

93.1827, 0.3330, 0.3649



## Deuteranomaly

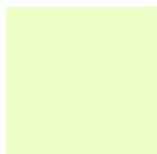
93.1441, 0.3264, 0.3528



## Tritanomaly

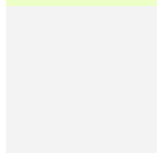
93.2466, 0.3165, 0.3439

# Monochromacy



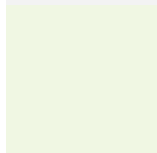
## Original Color

93.3057, 0.3327, 0.3864



## Achromatopsia

89.6269, 0.3127, 0.3290



## Achromatomaly

90.5928, 0.3202, 0.3492

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.3057, 0.3327, 0.3864 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(235, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 199)  
}
```

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(235, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 93.3057, 0.3327, 0.3864 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(235, 255, 199) }
```

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

```
.border{ border-color:rgb(235, 255, 199) }
```

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

Here you see how a box with a 4 pixel rgb(235, 255, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.3057, 0.3327, 0.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 199) }
```

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

```
.background{ background-color: rgb(235,  
255, 199) }
```

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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