

# Converting Colors

$Y_{xy}(100.0000, 0.3314, 0.4058)$

Have a look what the booklet for  
Yxy(100.0000, 0.3314, 0.4058)  
contains.

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# Color

**Yxy(91.9838, 0.3328, 0.3946)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5FFC0
RGB	229, 255, 192
RGB Percent	90%, 100%, 75%
CMY	0.1021, 0.0000, 0.2470
CMYK	0.10, 0.00, 0.25, 0.00
HSL	85°, 100%, 88%
HSV	85°, 25%, 100%
XYZ	77.5778, 91.9838, 63.5448
YIQ	240.0440, 4.7270, -25.1050

# Conversions

## Conversions Part 2

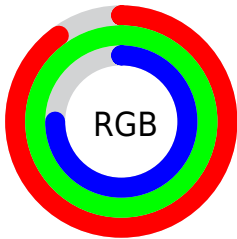
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 255, 218
Decimal	15073216
CIELab	96.81, -18.99, 27.37
CIELCh	97, 33.315, 124.759
Yxy	91.9838, 0.3328, 0.3946
Android (android.graphics.Color)	4293263296 (0xFFE5FFC0)
YUV	240.0440, -23.6857, -9.6856
Hunter-Lab	95.9082, -23.4550, 27.8526

# Details

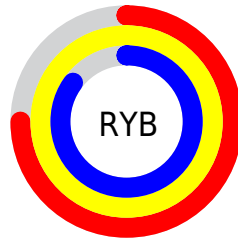
The Yxy color **91.9838, 0.3328, 0.3946** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.8432, 0.2883, 0.2620**, and the grayscale version is **87.3494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **51.1074, 0.3366, 0.4095** is the 20% darker color. If you saturate the color by 10%, you get **89.2606, 0.3403, 0.4235**, and if you desaturate by 10%, it is **94.9946, 0.3248, 0.3668**.

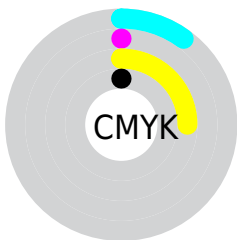
# Distribution



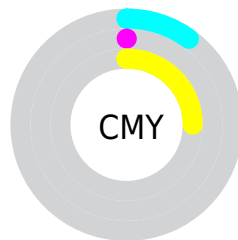
- Red (90%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (85%)



- Cyan (10%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.9838, 0.3328, 0.3946 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 91.9838, 0.3328, 0.3946 by changing the saturation by 10% instead.





 91.9838, 0.3328,  
0.3946

 91.9838, 0.3328,  
0.3946


534.4632, 0.3245,  
0.3646

 69.6272, 0.3345,  
0.4013


 150.0909, 0.3301,  
0.3843

 51.2226, 0.3364,  
0.4096

186.6102, 0.3290,  
0.3803

 36.3858, 0.3387,  
0.4199

228.6192, 0.3280,  
0.3768

 24.7323, 0.3414,  
0.4331

276.5023, 0.3271,  
0.3737

 15.8777, 0.3444,  
0.4508

330.6438, 0.3264,  
0.3710

 9.4377, 0.3478,  
0.4752

391.4282, 0.3257,

 5.0278, 0.3505,

0.3687

0.5109

459.2399, 0.3250,  
0.3665

■ 2.2636, 0.3700,  
0.6000

■ 0.7543, 0.2514,  
0.7486

■ 91.9838, 0.3328,  
0.3946

■ 91.9838, 0.3328,  
0.3946

■ 89.2606, 0.3403,  
0.4235

■ 94.9946, 0.3248,  
0.3668

■ 86.8335, 0.3469,  
0.4526

■ 98.3246, 0.3166,  
0.3406

■ 84.6828, 0.3520,  
0.4808

100.0000, 0.3127,  
0.3290

■ 82.7943, 0.3551,  
0.5066

■ 81.1524, 0.3560,  
0.5286

■ 79.7389, 0.3544,  
0.5458

■ 78.5321, 0.3505,  
0.5575

■ 77.9606, 0.3479,  
0.5620

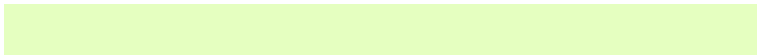
# Harmonies

## Analogous

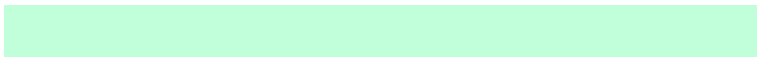
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9838, 0.3656, 0.3913



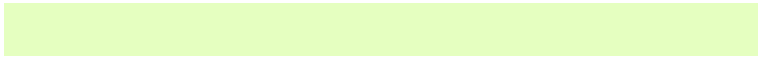
91.9838, 0.3328, 0.3946



91.9838, 0.2958, 0.3771

# Triad

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



91.9838, 0.3328, 0.3946



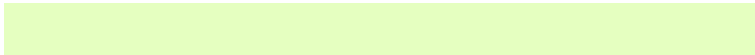
91.9838, 0.2452, 0.2819



91.9838, 0.3619, 0.3123

# Complementary

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



91.9838, 0.3328, 0.3946



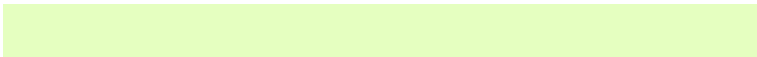
59.8432, 0.2883, 0.2620

# Split Complementary

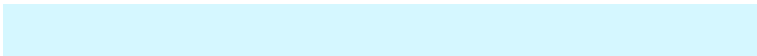
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.9838, 0.3268, 0.2871



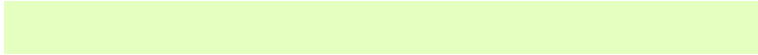
91.9838, 0.3328, 0.3946



91.9838, 0.2603, 0.2693

# Square

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



91.9838, 0.3328, 0.3946



91.9838, 0.2466, 0.3088



91.9838, 0.2896, 0.2716

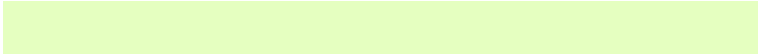


91.9838, 0.3836, 0.3424



# Rectangle

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



91.9838, 0.3328, 0.3946



91.9838, 0.2739, 0.3562



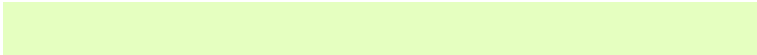
91.9838, 0.2896, 0.2716



91.9838, 0.3512, 0.3031

# Sweetspot

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



91.9770, 0.3328, 0.3946



97.5299, 0.3184, 0.3465



74.8014, 0.3588, 0.3549



20.8314, 0.3189, 0.3480



0.0000, 0.0000, 0.0000

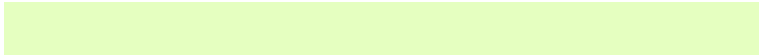


21.4041, 0.3127, 0.3290

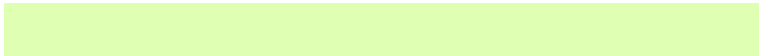


# Same Dimension

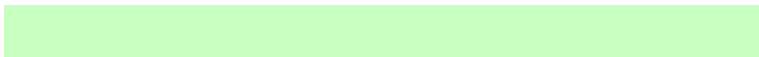
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.9770, 0.3328, 0.3946



90.5001, 0.3369, 0.4098



87.3755, 0.3132, 0.3987



20.6944, 0.3205, 0.3529



40.8257, 0.3489, 0.5611



4.0391, 0.3567, 0.5550



# Inverse Universe

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



59.8432, 0.2883, 0.2620



52.9820, 0.2819, 0.2461



65.0127, 0.3109, 0.2664



17.7446, 0.3044, 0.3049



5.4389, 0.1865, 0.0801

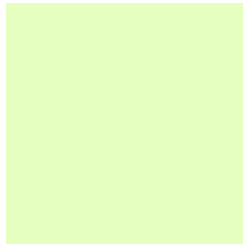


0.5918, 0.1990, 0.0870



# Previews

## White Background



This preview shows how the Yxy color 91.9838, 0.3328, 0.3946 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

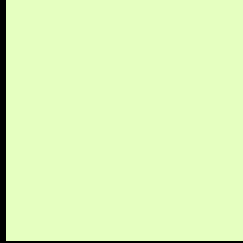
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.9838, 0.3328, 0.3946 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

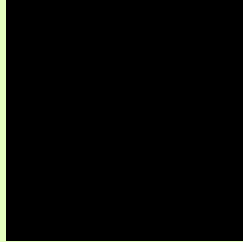
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

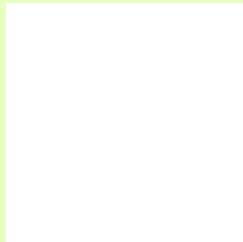
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.9838, 0.3328, 0.3946**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.9838, 0.3328, 0.3946.

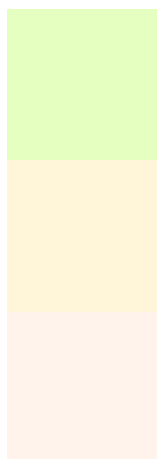


This preview shows how white text looks on a background with the Yxy color 91.9838, 0.3328, 0.3946.

# 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

91.9838, 0.3328, 0.3946

### Protanopia

91.5227, 0.3372, 0.3577

### Deuteranopia

91.4173, 0.3249, 0.3359



## Tritanopia

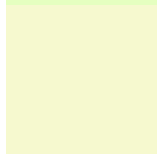
91.5795, 0.3055, 0.3192

# Trichromacy



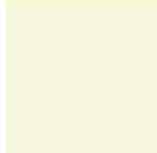
## Original Color

91.9838, 0.3328, 0.3946



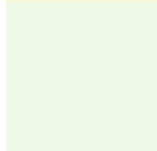
## Protanomaly

91.8492, 0.3361, 0.3713



## Deuteranomaly

91.2817, 0.3284, 0.3561



## Tritanomaly

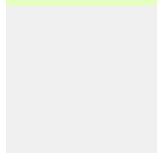
91.7547, 0.3157, 0.3461

# Monochromacy



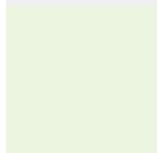
## Original Color

91.9838, 0.3328, 0.3946



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.4654, 0.3201, 0.3515

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.9838, 0.3328, 0.3946 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(229, 255, 192)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 192)  
}
```

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(229, 255, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 91.9838, 0.3328, 0.3946 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(229, 255, 192) }
```

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

```
.border{ border-color:rgb(229, 255, 192) }
```

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

Here you see how a box with a 4 pixel rgb(229, 255, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 192);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.9838, 0.3328, 0.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 192) }
```

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

```
.background{ background-color: rgb(229,  
255, 192) }
```

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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