

# Converting Colors

$Y_{xy}(137.5311, 0.3096, 0.4121)$

Have a look what the booklet for  
Yxy(137.5311, 0.3096, 0.4121)  
contains.

<b>Yxy(93.3419, 0.3119, 0.3587)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(93.3419, 0.3119, 0.3587)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FFE2
RGB	227, 255, 226
RGB Percent	89%, 100%, 89%
CMY	0.1099, 0.0000, 0.1136
CMYK	0.11, 0.00, 0.11, 0.00
HSL	118°, 100%, 94%
HSV	118°, 11%, 100%
XYZ	81.1635, 93.3419, 85.7174
YIQ	243.3220, -7.3790, -14.9550

# Conversions

## Conversions Part 2

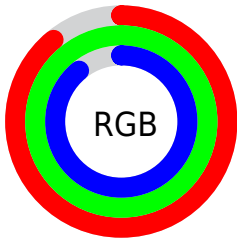
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 255, 254
Decimal	14942178
CIE <sub>Lab</sub>	97.37, -14.28, 10.79
CIE <sub>LCh</sub>	97, 17.900, 142.940
Yxy	93.3419, 0.3119, 0.3587
Android (android.graphics.Color)	4293132258 (0xFFE3FFE2)
YUV	243.3220, -8.5397, -14.3144
Hunter-Lab	96.6136, -19.1190, 15.0263

# Details

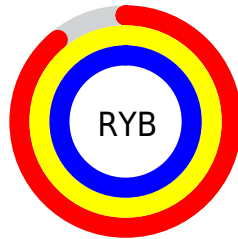
The Yxy color **93.3419, 0.3119, 0.3587** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **82.7174, 0.3134, 0.3009**, and the grayscale version is **89.9673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.9864, 0.3110, 0.3647** is the 20% darker color. If you saturate the color by 10%, you get **88.3132, 0.3110, 0.3885**, and if you desaturate by 10%, it is **99.1494, 0.3126, 0.3323**.

# Distribution



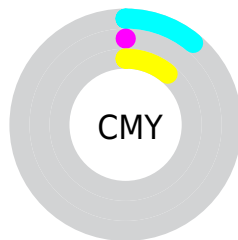
- Red (89%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.3419, 0.3119, 0.3587 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 93.3419, 0.3119, 0.3587 by changing the saturation by 10% instead.



 93.3419, 0.3119,  
0.3587

 93.3419, 0.3119,  
0.3587


538.8430, 0.3124,  
0.3453

 70.7557, 0.3118,  
0.3617


151.9719, 0.3121,  
0.3541

 52.1429, 0.3116,  
0.3654


188.7845, 0.3122,  
0.3523

 37.1190, 0.3113,  
0.3699


231.1079, 0.3122,  
0.3507

 25.2996, 0.3110,  
0.3758

279.3268, 0.3123,  
0.3494

 16.3004, 0.3104,  
0.3837

333.8253, 0.3123,  
0.3482

 9.7370, 0.3096,  
0.3948

394.9879, 0.3123,

 5.2249, 0.3080,

0.3471

0.4113

463.1990, 0.3124,  
0.3461

■ 2.3798, 0.3048,  
0.4389

■ 0.8155, 0.3100,  
0.5928

■ 93.3419, 0.3119,  
0.3587

■ 93.3419, 0.3119,  
0.3587

■ 88.3132, 0.3110,  
0.3885

■ 99.1494, 0.3126,  
0.3323

■ 84.0365, 0.3099,  
0.4215

100.0000, 0.3127,  
0.3290

■ 80.4736, 0.3086,  
0.4568

■ 77.5858, 0.3071,  
0.4928

■ 75.3303, 0.3054,  
0.5271

■ 73.6598, 0.3038,  
0.5570

■ 72.5202, 0.3023,  
0.5797

■ 71.8474, 0.3011,  
0.5939

■ 71.5731, 0.3005,  
0.5996

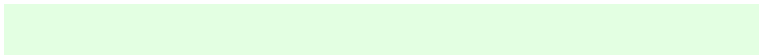
# Harmonies

## Analogous

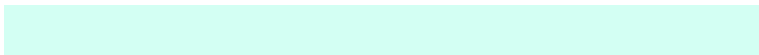
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.3419, 0.3315, 0.3641



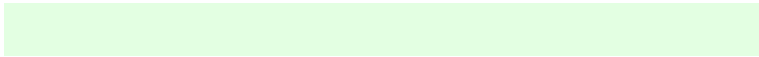
93.3419, 0.3119, 0.3587



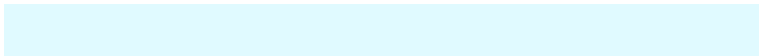
93.3419, 0.2930, 0.3445

# Triad

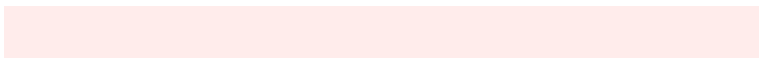
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.3419, 0.3119, 0.3587



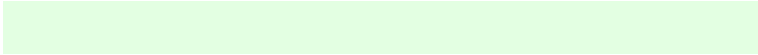
93.3419, 0.2798, 0.2984



93.3419, 0.3469, 0.3304

# Complementary

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



93.3419, 0.3119, 0.3587



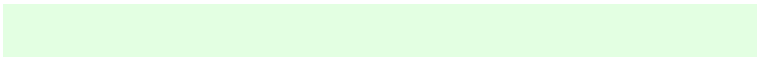
82.7174, 0.3134, 0.3009

# 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.



93.3419, 0.3323, 0.3141



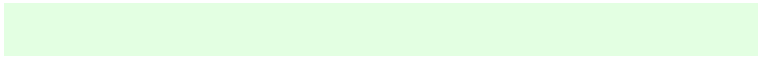
93.3419, 0.3119, 0.3587



93.3419, 0.2934, 0.2959

# Square

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



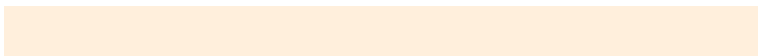
93.3419, 0.3119, 0.3587



93.3419, 0.2748, 0.3092



93.3419, 0.3126, 0.3016

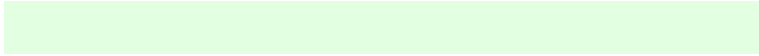


93.3419, 0.3521, 0.3470



# Rectangle

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



93.3419, 0.3119, 0.3587



93.3419, 0.2832, 0.3323



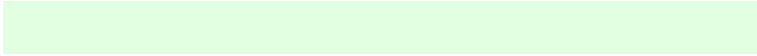
93.3419, 0.3126, 0.3016



93.3419, 0.3429, 0.3248

# Sweetspot

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



93.3397, 0.3119, 0.3587



98.1398, 0.3125, 0.3364



97.6588, 0.3298, 0.3562



20.9022, 0.3125, 0.3384



0.0000, 0.0000, 0.0000

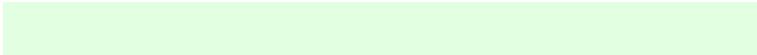


21.4041, 0.3127, 0.3290

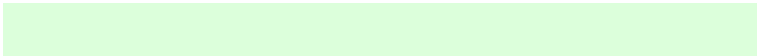


# Same Dimension

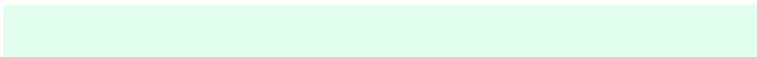
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.3397, 0.3119, 0.3587



91.9364, 0.3117, 0.3662



93.9599, 0.3037, 0.3447



20.1960, 0.3120, 0.3535



37.4105, 0.3007, 0.5995



3.6519, 0.3022, 0.5982



# Inverse Universe

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



82.7174, 0.3134, 0.3009



79.0821, 0.3135, 0.2942



82.0540, 0.3228, 0.3139



18.2688, 0.3133, 0.3056



14.0973, 0.3129, 0.1497



1.3816, 0.3138, 0.1503



# Previews

## White Background



This preview shows how the Yxy color 93.3419, 0.3119, 0.3587 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

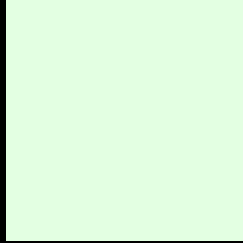
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.3419, 0.3119, 0.3587 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

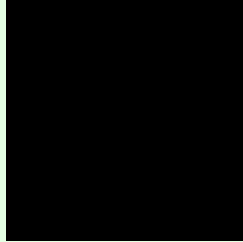
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

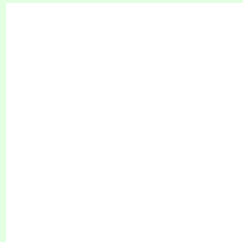
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.3419, 0.3119, 0.3587**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.3419, 0.3119, 0.3587.

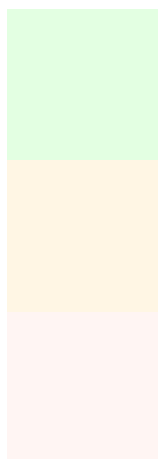


This preview shows how white text looks on a background with the Yxy color 93.3419, 0.3119, 0.3587.

# 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

93.3419, 0.3119, 0.3587

### Protanopia

92.7730, 0.3296, 0.3466

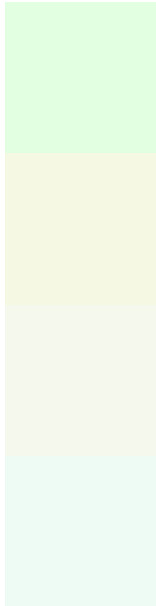
### Deuteranopia

93.0359, 0.3204, 0.3310

## Tritanopia

93.4095, 0.3055, 0.3221

# Trichromacy



## Original Color

93.3419, 0.3119, 0.3587

## Protanomaly

92.7099, 0.3233, 0.3509

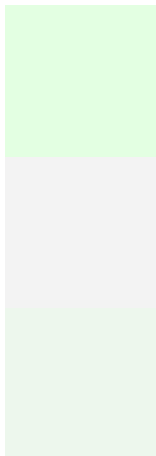
## Deuteranomaly

93.2783, 0.3173, 0.3409

## Tritanomaly

93.5305, 0.3080, 0.3360

# Monochromacy



## Original Color

93.3419, 0.3119, 0.3587

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

90.6405, 0.3122, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  93.3419, 0.3119, 0.3587 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(227, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 226)  
}
```

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(227, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 93.3419, 0.3119, 0.3587 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(227, 255, 226) }
```

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

```
.border{ border-color:rgb(227, 255, 226) }
```

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

Here you see how a box with a 4 pixel rgb(227, 255, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.3419, 0.3119, 0.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 226) }
```

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

```
.background{ background-color: rgb(227,  
255, 226) }
```

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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