

# Converting Colors

$Y_{xy}(100.0000, 0.3187, 0.4084)$

Have a look what the booklet for  
Yxy(100.0000, 0.3187, 0.4084)  
contains.

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**Color**

**Yxy(89.4572, 0.3201, 0.3936)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4FFC3
RGB	212, 255, 195
RGB Percent	83%, 100%, 76%
CMY	0.1688, 0.0000, 0.2352
CMYK	0.17, 0.00, 0.24, 0.00
HSL	103°, 100%, 88%
HSV	103°, 24%, 100%
XYZ	72.7522, 89.4572, 65.0701
YIQ	235.3030, -6.3680, -27.7760

# Conversions

## Conversions Part 2

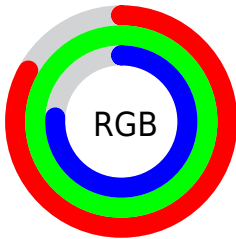
Format	Color
<a href="#">RYB</a>	<a href="#">195, 255, 238</a>
Decimal	<a href="#">13959107</a>
CIELab	<a href="#">95.77, -24.40, 24.25</a>
CIELCh	<a href="#">96, 34.396, 135.178</a>
Yxy	<a href="#">89.4572, 0.3201, 0.3936</a>
Android (android.graphics.Color)	<a href="#">4292149187 (0xFFD4FFC3)</a>
YUV	<a href="#">235.3030, -19.8694, -20.4367</a>
Hunter-Lab	<a href="#">94.5818, -28.2163, 25.4171</a>

# Details

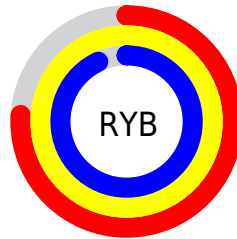
The Yxy color **89.4572, 0.3201, 0.3936** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.4455, 0.3029, 0.2680**, and the grayscale version is **83.4674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **49.4794, 0.3213, 0.4086** is the 20% darker color. If you saturate the color by 10%, you get **85.8271, 0.3226, 0.4251**, and if you desaturate by 10%, it is **93.5793, 0.3171, 0.3643**.

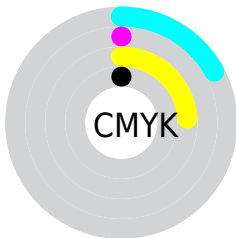
# Distribution



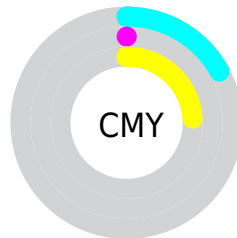
- Red (83%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (93%)



- Cyan (17%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (17%)
- Magenta (0%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.4572, 0.3201, 0.3936 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 89.4572, 0.3201, 0.3936 by changing the saturation by 10% instead.




 89.4572, 0.3201,  
0.3936

 89.4572, 0.3201,  
0.3936


526.2636, 0.3174,  
0.3637

 67.5305, 0.3205,  
0.4004


146.5842, 0.3193,  
0.3832

 49.5159, 0.3210,  
0.4088


182.5533, 0.3190,  
0.3792

 35.0289, 0.3214,  
0.4194


223.9720, 0.3186,  
0.3757

 23.6851, 0.3217,  
0.4331

271.2248, 0.3184,  
0.3727

 15.1002, 0.3218,  
0.4517

324.6959, 0.3181,  
0.3701

 8.8898, 0.3210,  
0.4779

384.7698, 0.3178,

 4.6693, 0.3179,

0.3677

0.5176

451.8309, 0.3176,  
0.3656

■ 2.0546, 0.3241,  
0.6143

■ 0.6389, 0.0180,  
0.9820

■ 89.4572, 0.3201,  
0.3936

■ 89.4572, 0.3201,  
0.3936

■ 85.8271, 0.3226,  
0.4251

■ 93.5793, 0.3171,  
0.3643


■ 82.6885, 0.3244,  
0.4581


■ 98.2323, 0.3139,  
0.3377


■ 80.0133, 0.3251,  
0.4911

100.0000, 0.3127,  
0.3290

■ 77.7779, 0.3246,  
0.5222

 75.9566, 0.3226,  
0.5494

 74.5207, 0.3192,  
0.5707

 73.4367, 0.3146,  
0.5850

 72.8975, 0.3115,  
0.5909

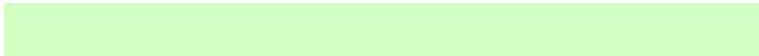
# Harmonies

## Analogous

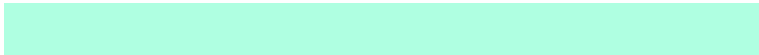
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4572, 0.3570, 0.3975



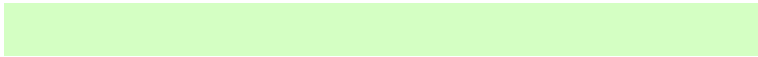
89.4572, 0.3201, 0.3936



89.4572, 0.2827, 0.3686

# Triad

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



89.4572, 0.3201, 0.3936



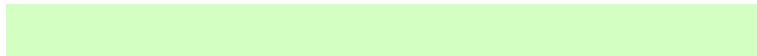
89.4572, 0.2461, 0.2736



89.4572, 0.3740, 0.3222

# Complementary

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



89.4572, 0.3201, 0.3936



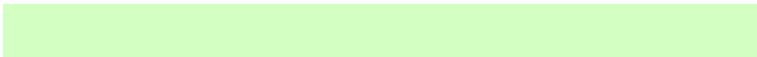
64.4455, 0.3029, 0.2680

# Split Complementary

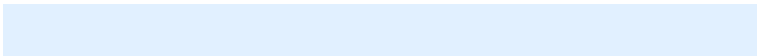
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.4572, 0.3409, 0.2936



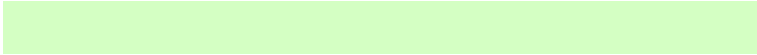
89.4572, 0.3201, 0.3936



89.4572, 0.2673, 0.2660

# Square

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



89.4572, 0.3201, 0.3936



89.4572, 0.2415, 0.2966



89.4572, 0.3015, 0.2735

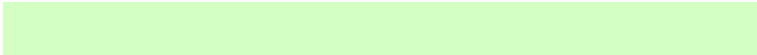


89.4572, 0.3896, 0.3538



# Rectangle

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



89.4572, 0.3201, 0.3936



89.4572, 0.2623, 0.3443



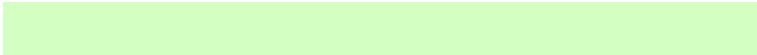
89.4572, 0.3015, 0.2735



89.4572, 0.3644, 0.3120

# Sweetspot

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



89.4506, 0.3201, 0.3936



96.5540, 0.3150, 0.3466



86.3525, 0.3520, 0.3722



20.6056, 0.3152, 0.3482



0.0000, 0.0000, 0.0000

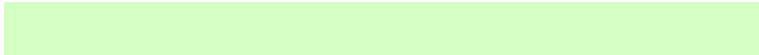


21.4041, 0.3127, 0.3290

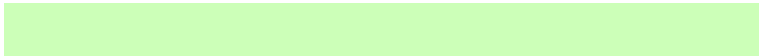


# Same Dimension

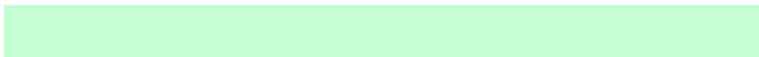
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4506, 0.3201, 0.3936



87.7672, 0.3213, 0.4075



87.6788, 0.3025, 0.3808



20.4164, 0.3158, 0.3533



38.1549, 0.3125, 0.5901



3.7672, 0.3205, 0.5837



# Inverse Universe

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



64.4455, 0.3029, 0.2680



58.9703, 0.3006, 0.2557



66.7081, 0.3249, 0.2823



18.0276, 0.3092, 0.3053



9.1125, 0.2503, 0.1153



0.9424, 0.2586, 0.1198



# Previews

## White Background



This preview shows how the Yxy color 89.4572, 0.3201, 0.3936 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

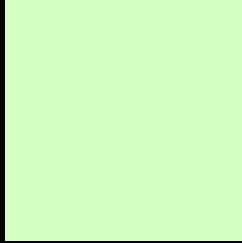
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.4572, 0.3201, 0.3936 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

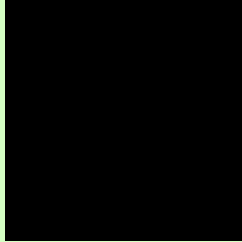
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

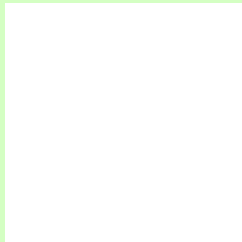
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.4572, 0.3201, 0.3936**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.4572, 0.3201, 0.3936.

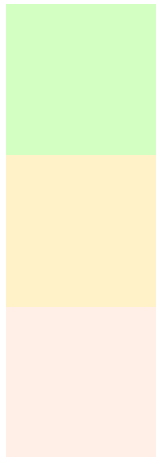


This preview shows how white text looks on a background with the Yxy color 89.4572, 0.3201, 0.3936.

# 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

89.4572, 0.3201, 0.3936

### Protanopia

88.9813, 0.3473, 0.3699

### Deuteranopia

88.7062, 0.3291, 0.3379



## Tritanopia

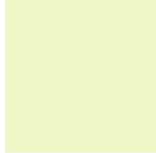
89.0772, 0.2987, 0.3180

# Trichromacy



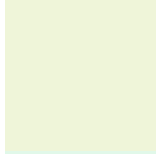
## Original Color

89.4572, 0.3201, 0.3936



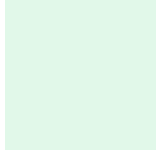
## Protanomaly

88.9958, 0.3366, 0.3784



## Deuteranomaly

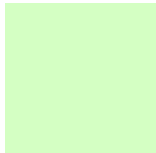
88.6653, 0.3258, 0.3576



## Tritanomaly

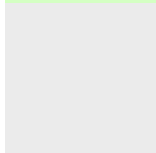
89.0255, 0.3069, 0.3445

# Monochromacy



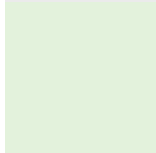
## Original Color

89.4572, 0.3201, 0.3936



## Achromatopsia

83.0770, 0.3127, 0.3290



## Achromatomaly

85.0025, 0.3162, 0.3521

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.4572, 0.3201, 0.3936 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(212, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 195)  
}
```

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(212, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 89.4572, 0.3201, 0.3936 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(212, 255, 195) }
```

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

```
.border{ border-color:rgb(212, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.4572, 0.3201, 0.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 195) }
```

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

```
.background{ background-color: rgb(212,  
255, 195) }
```

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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