

# Converting Colors

$Yxy(89.1396, 0.3054, 0.3749)$

Have a look what the booklet for  
Yxy(89.1396, 0.3054, 0.3749)  
contains.

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# Color

**Yxy(89.1615, 0.3051, 0.3744)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFD5
RGB	204, 255, 213
RGB Percent	80%, 100%, 84%
CMY	0.2002, 0.0000, 0.1647
CMYK	0.20, 0.00, 0.16, 0.00
HSL	131°, 100%, 90%
HSV	131°, 20%, 100%
XYZ	72.6580, 89.1615, 76.3255
YIQ	234.9630, -16.9140, -23.8740

# Conversions

## Conversions Part 2

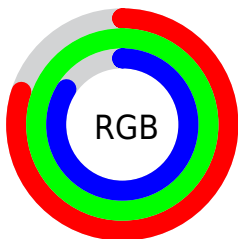
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 247, 255
Decimal	13434837
CIE <sub>Lab</sub>	95.65, -24.06, 14.83
CIE <sub>LCh</sub>	96, 28.267, 148.351
Yxy	89.1615, 0.3051, 0.3744
Android (android.graphics.Color)	4291624917 (0xFFCCFFD5)
YUV	234.9630, -10.8278, -27.1546
Hunter-Lab	94.4254, -27.8929, 18.1727

# Details

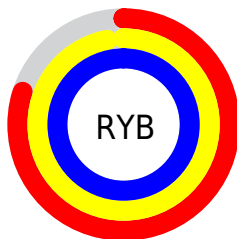
The Yxy color **89.1615, 0.3051, 0.3744** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.0660, 0.3214, 0.2875**, and the grayscale version is **83.1253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2464, 0.3032, 0.3853** is the 20% darker color. If you saturate the color by 10%, you get **84.8432, 0.3014, 0.4012**, and if you desaturate by 10%, it is **94.1888, 0.3089, 0.3503**.

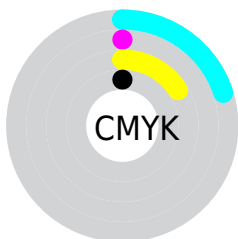
# Distribution



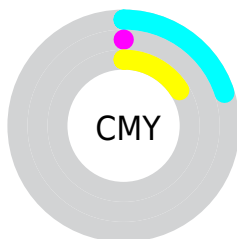
- Red (80%)
- Green (100%)
- Blue (84%)



- Red (80%)
- Yellow (97%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.1615, 0.3051, 0.3744 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 89.1615, 0.3051, 0.3744 by changing the saturation by 10% instead.




 89.1615, 0.3051,  
0.3744

 89.1615, 0.3051,  
0.3744

525.2995, 0.3088,  
0.3535

 67.2854, 0.3042,  
0.3792


146.1731, 0.3064,  
0.3672

 49.3166, 0.3031,  
0.3850


182.0775, 0.3069,  
0.3643

 34.8707, 0.3016,  
0.3924


223.4267, 0.3074,  
0.3619

 23.5633, 0.2996,  
0.4021

270.6051, 0.3077,  
0.3598

 15.0100, 0.2968,  
0.4152

323.9972, 0.3081,  
0.3579

 8.8264, 0.2926,  
0.4339


383.9874, 0.3084,


 4.6281, 0.2856,


0.3563


0.4627


450.9600, 0.3086,  
0.3548


 2.0308, 0.2724,  
0.5130


 0.6253, 0.0109,  
0.9891

 89.1615, 0.3051,  
0.3744


 89.1615, 0.3051,  
0.3744

 84.8432, 0.3014,  
0.4012


 94.1888, 0.3089,  
0.3503

 81.2279, 0.2980,  
0.4304

99.9847, 0.3127,  
0.3291

 78.2696, 0.2951,  
0.4612

100.0000, 0.3127,  
0.3290

 75.9283, 0.2931,  
0.4924

■ 74.1594, 0.2922,  
0.5223

■ 72.9124, 0.2925,  
0.5489

■ 72.1274, 0.2939,  
0.5705

■ 71.7112, 0.2961,  
0.5859

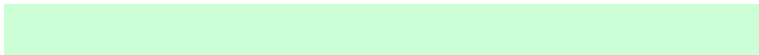
# Harmonies

## Analogous

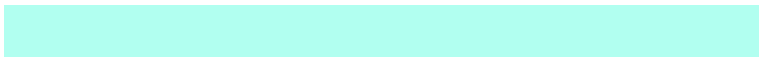
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1615, 0.3369, 0.3858



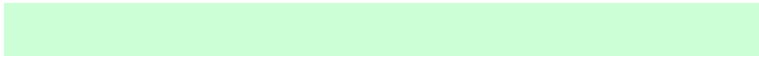
89.1615, 0.3051, 0.3744



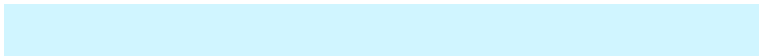
89.1615, 0.2764, 0.3487

# Triad

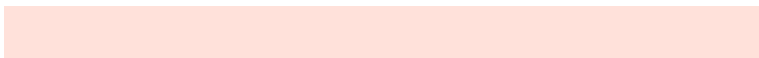
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1615, 0.3051, 0.3744



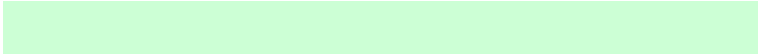
89.1615, 0.2636, 0.2787



89.1615, 0.3707, 0.3353

# Complementary

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



89.1615, 0.3051, 0.3744



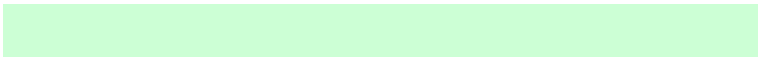
71.0660, 0.3214, 0.2875

# 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.



89.1615, 0.3491, 0.3095



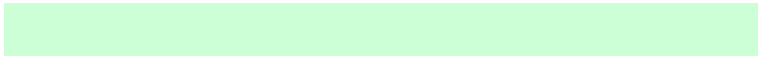
89.1615, 0.3051, 0.3744



89.1615, 0.2867, 0.2778

# Square

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



89.1615, 0.3051, 0.3744



89.1615, 0.2533, 0.2928



89.1615, 0.3179, 0.2890

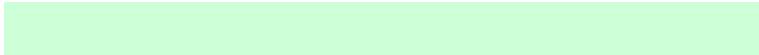


89.1615, 0.3758, 0.3609



# Rectangle

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



89.1615, 0.3051, 0.3744



89.1615, 0.2626, 0.3282



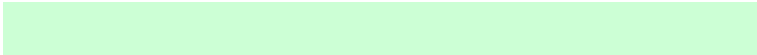
89.1615, 0.3179, 0.2890



89.1615, 0.3651, 0.3265

# Sweetspot

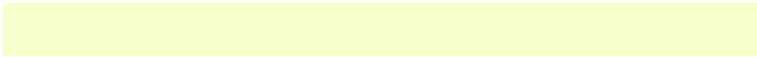
The Sweet Spot groups the original color and five complimentary colors.



89.1522, 0.3051, 0.3744



96.4285, 0.3105, 0.3414



95.5581, 0.3374, 0.3800



20.5601, 0.3102, 0.3428



0.0000, 0.0000, 0.0000

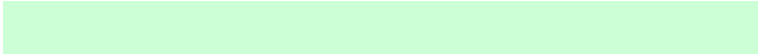


21.4041, 0.3127, 0.3290

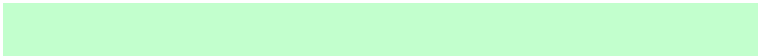


# Same Dimension

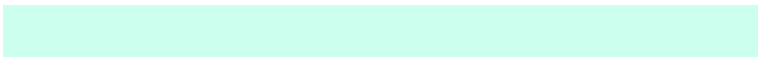
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1522, 0.3051, 0.3744



87.3540, 0.3036, 0.3847



90.5202, 0.2916, 0.3469



20.2208, 0.3091, 0.3491



37.4858, 0.2955, 0.5839



3.6635, 0.2904, 0.5654



# Inverse Universe

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



71.0660, 0.3214, 0.2875



66.2951, 0.3234, 0.2790



69.6339, 0.3397, 0.3118



18.2418, 0.3165, 0.3097



13.5544, 0.3717, 0.1821

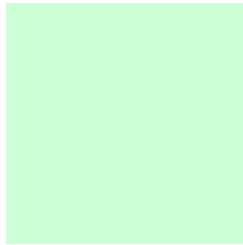


1.3336, 0.3649, 0.1784



# Previews

## White Background



This preview shows how the Yxy color 89.1615, 0.3051, 0.3744 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

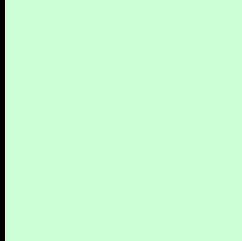
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.1615, 0.3051, 0.3744 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

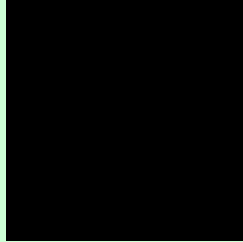
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

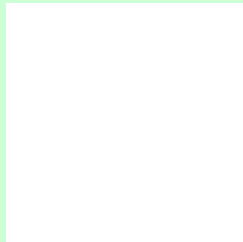
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.1615, 0.3051, 0.3744**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.1615, 0.3051, 0.3744.

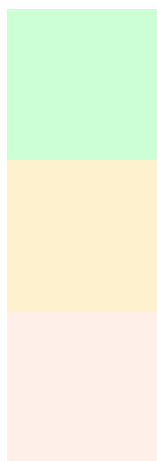


This preview shows how white text looks on a background with the Yxy color 89.1615, 0.3051, 0.3744.

# 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

89.1615, 0.3051, 0.3744

### Protanopia

88.4377, 0.3435, 0.3640

### Deuteranopia

88.8762, 0.3272, 0.3349



## Tritanopia

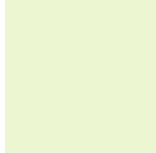
89.0188, 0.2962, 0.3189

# Trichromacy



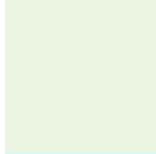
## Original Color

89.1615, 0.3051, 0.3744



## Protanomaly

88.3479, 0.3286, 0.3672



## Deuteranomaly

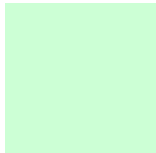
88.6287, 0.3183, 0.3484



## Tritanomaly

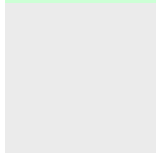
89.1027, 0.2992, 0.3383

# Monochromacy



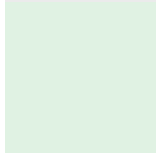
## Original Color

89.1615, 0.3051, 0.3744



## Achromatopsia

83.0770, 0.3127, 0.3290



## Achromatomaly

84.8976, 0.3100, 0.3447

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.1615, 0.3051, 0.3744 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(204, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 213)  
}
```

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(204, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 89.1615, 0.3051, 0.3744 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(204, 255, 213) }
```

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

```
.border{ border-color:rgb(204, 255, 213) }
```

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

Here you see how a box with a 4 pixel rgb(204, 255, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.1615, 0.3051, 0.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 213) }
```

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

```
.background{ background-color: rgb(204,  
255, 213) }
```

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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