

# Converting Colors

$Yxy(89.1137, 0.2953, 0.3607)$

Have a look what the booklet for  
Yxy(89.1137, 0.2953, 0.3607)  
contains.

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# **Color**

**Yxy(89.1531, 0.2951, 0.3602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7FFE2
RGB	199, 255, 226
RGB Percent	78%, 100%, 89%
CMY	0.2196, 0.0000, 0.1137
CMYK	0.22, 0.00, 0.11, 0.00
HSL	149°, 100%, 89%
HSV	149°, 22%, 100%
XYZ	73.0402, 89.1531, 85.3167
YIQ	234.9500, -24.0670, -20.8910

# Conversions

## Conversions Part 2

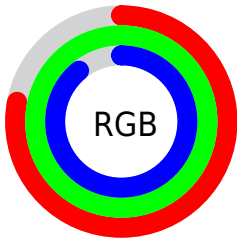
<b>Format</b>	<b>Color</b>
<b>RYB</b>	199, 237, 255
Decimal	13107170
CIELab	95.64, -23.25, 8.11
CIELCh	96, 24.621, 160.775
Yxy	89.1531, 0.2951, 0.3602
Android (android.graphics.Color)	4291297250 (0xFFC7FFE2)
YUV	234.9500, -4.4124, -31.5282
Hunter-Lab	94.4209, -27.1562, 12.5215

# Details

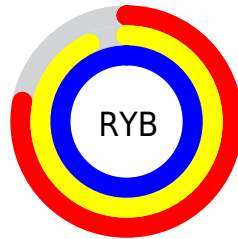
The Yxy color **89.1531, 0.2951, 0.3602** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.7049, 0.3350, 0.2998**, and the grayscale version is **83.0847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2577, 0.2908, 0.3668** is the 20% darker color. If you saturate the color by 10%, you get **85.2553, 0.2878, 0.3769**, and if you desaturate by 10%, it is **93.6909, 0.3030, 0.3450**.

# Distribution



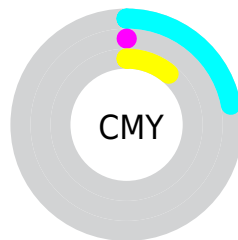
- Red (78%)
- Green (100%)
- Blue (89%)



- Red (78%)
- Yellow (93%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.1531, 0.2951, 0.3602 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 89.1531, 0.2951, 0.3602 by changing the saturation by 10% instead.




 89.1531, 0.2951,  
0.3602

 89.1531, 0.2951,  
0.3602


525.2721, 0.3031,  
0.3459

 67.2784, 0.2933,  
0.3634

146.1615, 0.2979,  
0.3553

 49.3109, 0.2911,  
0.3674

182.0639, 0.2989,  
0.3534

 34.8662, 0.2883,  
0.3724


223.4112, 0.2999,  
0.3517

 23.5598, 0.2847,  
0.3788

270.5875, 0.3007,  
0.3503

 15.0074, 0.2799,  
0.3875

323.9774, 0.3014,  
0.3490

 8.8246, 0.2730,  
0.3999

383.9652, 0.3020,

 4.6269, 0.2626,

0.3479

0.4189

450.9353, 0.3026,  
0.3468

■ 2.0301, 0.2450,  
0.4515

■ 0.6249, 0.0345,  
0.8170

■ 89.1531, 0.2951,  
0.3602

■ 89.1531, 0.2951,  
0.3602

■ 85.2553, 0.2878,  
0.3769

■ 93.6909, 0.3030,  
0.3450


■ 81.9675, 0.2813,  
0.3951


■ 98.8972, 0.3111,  
0.3315

■ 79.2566, 0.2759,  
0.4145


■ 100.0000, 0.3127,  
0.3290

■ 77.0865, 0.2721,  
0.4347

 75.4170, 0.2701,  
0.4554

 74.2016, 0.2702,  
0.4757

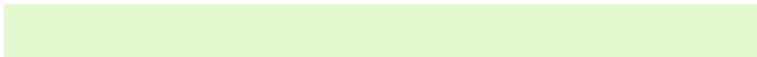
 73.3845, 0.2722,  
0.4953

 72.9503, 0.2750,  
0.5100

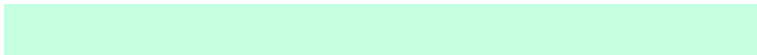
# Harmonies

## Analogous

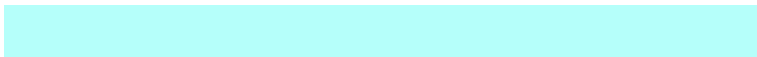
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1531, 0.3226, 0.3759



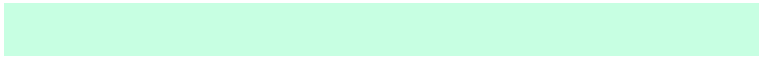
89.1531, 0.2951, 0.3602



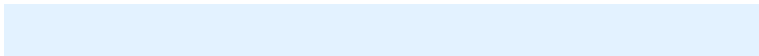
89.1531, 0.2730, 0.3352

# Triad

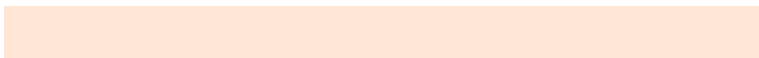
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1531, 0.2951, 0.3602



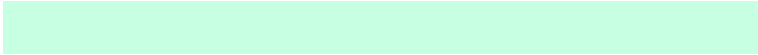
89.1531, 0.2770, 0.2832



89.1531, 0.3669, 0.3444

# Complementary

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



89.1531, 0.2951, 0.3602



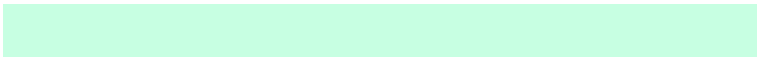
67.7049, 0.3350, 0.2998

# 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.



89.1531, 0.3536, 0.3212



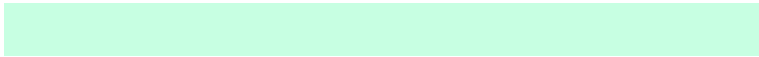
89.1531, 0.2951, 0.3602



89.1531, 0.3009, 0.2869

# Square

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



89.1531, 0.2951, 0.3602



89.1531, 0.2629, 0.2910



89.1531, 0.3291, 0.3005

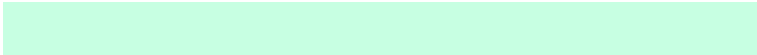


89.1531, 0.3648, 0.3650

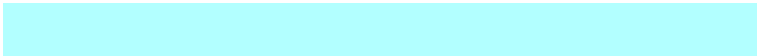


# Rectangle

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



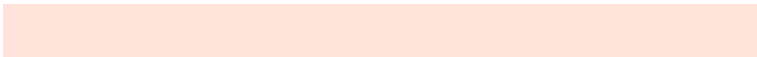
89.1531, 0.2951, 0.3602



89.1531, 0.2639, 0.3177



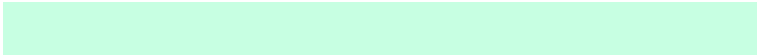
89.1531, 0.3291, 0.3005



89.1531, 0.3641, 0.3367

# Sweetspot

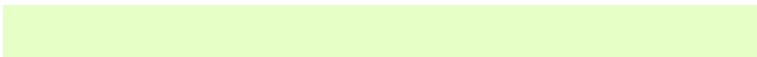
The Sweet Spot groups the original color and five complimentary colors.



89.1530, 0.2951, 0.3602



96.1895, 0.3070, 0.3381



92.2789, 0.3287, 0.3872



20.5216, 0.3065, 0.3389



0.0000, 0.0000, 0.0000

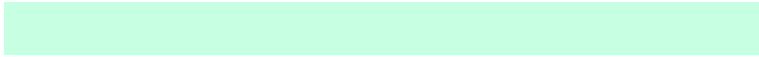


21.4041, 0.3127, 0.3290

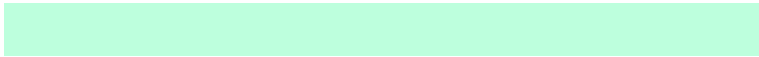


# Same Dimension

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



89.1530, 0.2951, 0.3602



87.5040, 0.2921, 0.3668



90.7617, 0.2809, 0.3309



20.3142, 0.3050, 0.3416



38.1480, 0.2742, 0.5070



3.7363, 0.2683, 0.4858



# Inverse Universe

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



67.7049, 0.3350, 0.2998



62.8549, 0.3402, 0.2942



66.3149, 0.3562, 0.3272



18.1441, 0.3213, 0.3168



12.0095, 0.4890, 0.2467

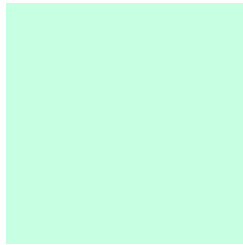


1.1914, 0.4645, 0.2333



# Previews

## White Background



This preview shows how the Yxy color 89.1531, 0.2951, 0.3602 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

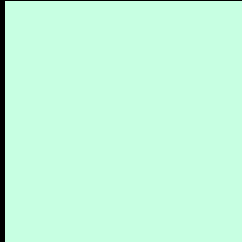
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.1531, 0.2951, 0.3602 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

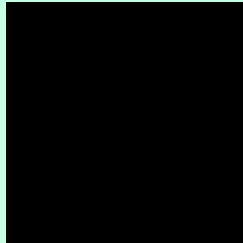
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

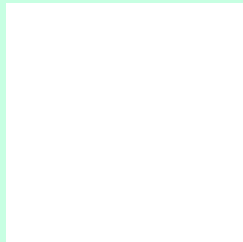
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.1531, 0.2951, 0.3602**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.1531, 0.2951, 0.3602.

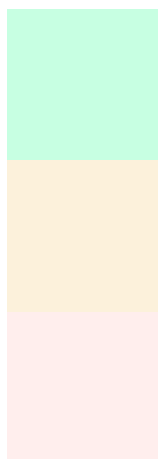


This preview shows how white text looks on a background with the Yxy color 89.1531, 0.2951, 0.3602.

# 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

89.1531, 0.2951, 0.3602

### Protanopia

88.7205, 0.3338, 0.3509

### Deuteranopia

88.5235, 0.3247, 0.3300



## Tritanopia

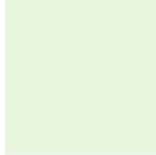
88.6936, 0.2950, 0.3189

# Trichromacy



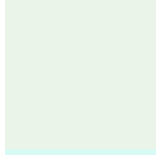
## Original Color

89.1531, 0.2951, 0.3602



## Protanomaly

88.5091, 0.3187, 0.3537



## Deuteranomaly

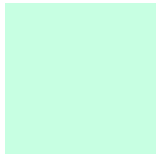
88.2467, 0.3135, 0.3402



## Tritanomaly

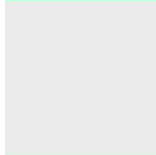
88.8819, 0.2952, 0.3341

# Monochromacy



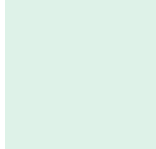
## Original Color

89.1531, 0.2951, 0.3602



## Achromatopsia

83.0770, 0.3127, 0.3290



## Achromatomaly

84.8601, 0.3058, 0.3394

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.1531, 0.2951, 0.3602 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(199, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 89.1531, 0.2951, 0.3602 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(199, 255, 226) }
```

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

```
.border{ border-color:rgb(199, 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(199, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.1531, 0.2951, 0.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 226) }
```

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

```
.background{ background-color: rgb(199,  
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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