

# Converting Colors

$Y_{xy}(101.8039, 0.3028, 0.3845)$

Have a look what the booklet for  
Yxy(101.8039, 0.3028, 0.3845)  
contains.

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# Color

**Yxy(89.8091, 0.3025, 0.3664)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEFFDC
RGB	206, 255, 220
RGB Percent	81%, 100%, 86%
CMY	0.1919, 0.0000, 0.1371
CMYK	0.19, 0.00, 0.14, 0.00
HSL	137°, 100%, 90%
HSV	137°, 19%, 100%
XYZ	74.1464, 89.8091, 81.1566
YIQ	236.3590, -17.9690, -21.2730

# Conversions

## Conversions Part 2

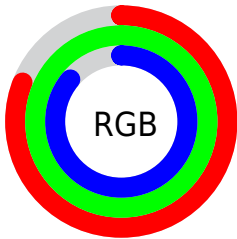
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 244, 255
Decimal	13565916
CIE Lab	95.92, -22.12, 11.62
CIE LCh	96, 24.993, 152.281
Yxy	89.8091, 0.3025, 0.3664
Android (android.graphics.Color)	4291755996 (0xFFCEFFDC)
YUV	236.3590, -8.0650, -26.6248
Hunter-Lab	94.7677, -26.1846, 15.5629

# Details

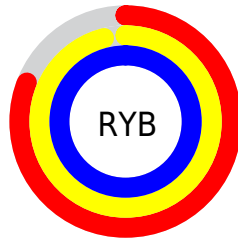
The Yxy color **89.8091, 0.3025, 0.3664** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.7807, 0.3247, 0.2943**, and the grayscale version is **84.2548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6841, 0.2999, 0.3749** is the 20% darker color. If you saturate the color by 10%, you get **85.5398, 0.2974, 0.3893**, and if you desaturate by 10%, it is **94.7833, 0.3078, 0.3458**.

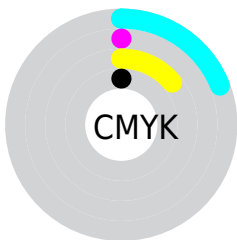
# Distribution



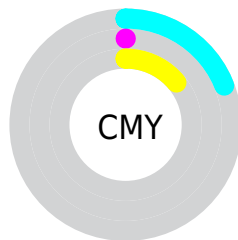
- Red (81%)
- Green (100%)
- Blue (86%)



- Red (81%)
- Yellow (96%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.8091, 0.3025, 0.3664 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 89.8091, 0.3025, 0.3664 by changing the saturation by 10% instead.




 89.8091, 0.3025,  
0.3664

 89.8091, 0.3025,  
0.3664


527.4097, 0.3073,  
0.3493

 67.8223, 0.3014,  
0.3703


147.0732, 0.3042,  
0.3605

 49.7532, 0.3000,  
0.3750

183.1193, 0.3048,  
0.3582

 35.2173, 0.2983,  
0.3811

224.6206, 0.3054,  
0.3562

 23.8303, 0.2960,  
0.3889

271.9616, 0.3059,  
0.3544

 15.2078, 0.2928,  
0.3994

325.5266, 0.3063,  
0.3529

 8.9654, 0.2883,  
0.4145

385.7000, 0.3067,

 4.7186, 0.2810,

0.3516

0.4375

452.8662, 0.3070,  
0.3504

■ 2.0831, 0.2680,  
0.4771

■ 0.6551, 0.1119,  
0.8881

■ 89.8091, 0.3025,  
0.3664

■ 89.8091, 0.3025,  
0.3664

■ 85.5398, 0.2974,  
0.3893

■ 94.7833, 0.3078,  
0.3458

■ 81.9321, 0.2928,  
0.4144

99.9939, 0.3127,  
0.3290

■ 78.9554, 0.2890,  
0.4412

■ 76.5722, 0.2863,  
0.4689

■ 74.7408, 0.2850,  
0.4964

■ 73.4141, 0.2853,  
0.5225

■ 72.5362, 0.2872,  
0.5456

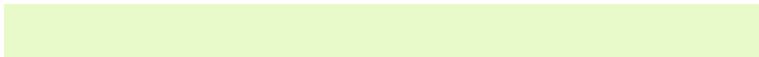
■ 72.0255, 0.2903,  
0.5648

■ 71.9924, 0.2906,  
0.5661

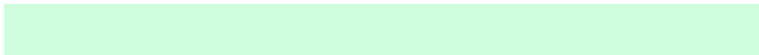
# Harmonies

## Analogous

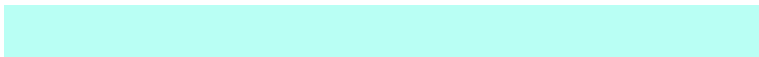
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8091, 0.3306, 0.3784



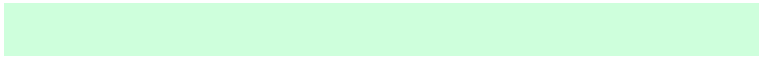
89.8091, 0.3025, 0.3664



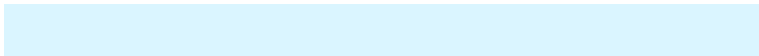
89.8091, 0.2779, 0.3429

# Triad

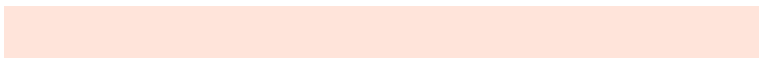
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8091, 0.3025, 0.3664



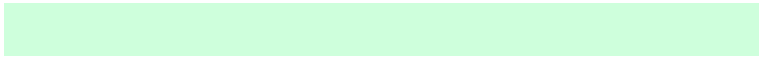
89.8091, 0.2713, 0.2837



89.8091, 0.3653, 0.3379

# Complementary

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



89.8091, 0.3025, 0.3664



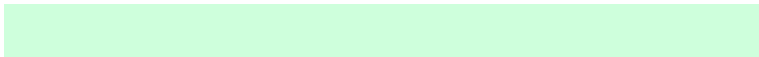
71.7807, 0.3247, 0.2943

# 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.



89.8091, 0.3480, 0.3147



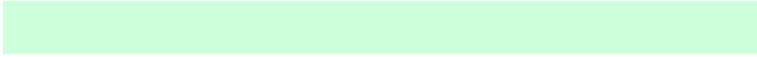
89.8091, 0.3025, 0.3664



89.8091, 0.2932, 0.2842

# Square

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



89.8091, 0.3025, 0.3664



89.8091, 0.2605, 0.2949



89.8091, 0.3212, 0.2954

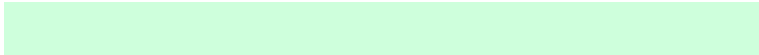


89.8091, 0.3677, 0.3602



# Rectangle

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



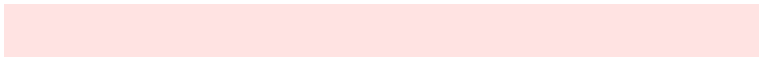
89.8091, 0.3025, 0.3664



89.8091, 0.2665, 0.3249



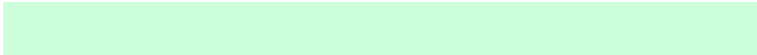
89.8091, 0.3212, 0.2954



89.8091, 0.3610, 0.3300

# Sweetspot

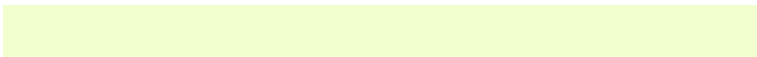
The Sweet Spot groups the original color and five complimentary colors.



89.8129, 0.3025, 0.3664



96.5286, 0.3095, 0.3398



94.6959, 0.3326, 0.3784



20.5837, 0.3092, 0.3410



0.0000, 0.0000, 0.0000

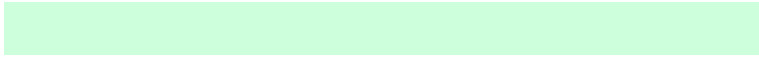


21.4041, 0.3127, 0.3290

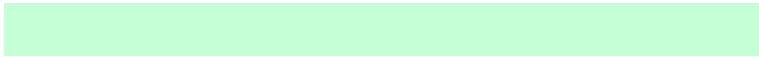


# Same Dimension

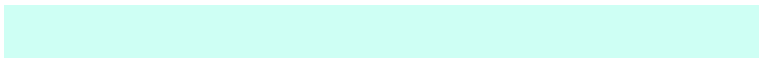
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8129, 0.3025, 0.3664



88.1118, 0.3005, 0.3749



91.1993, 0.2894, 0.3400



20.2534, 0.3076, 0.3464



37.6428, 0.2898, 0.5634



3.6830, 0.2837, 0.5414



# Inverse Universe

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



71.7807, 0.3247, 0.2943



67.0859, 0.3276, 0.2872



70.4208, 0.3426, 0.3183



18.2067, 0.3182, 0.3122



12.9046, 0.4095, 0.2029

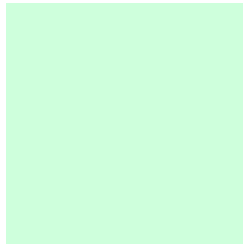


1.2753, 0.3969, 0.1960



# Previews

## White Background



This preview shows how the Yxy color 89.8091, 0.3025, 0.3664 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

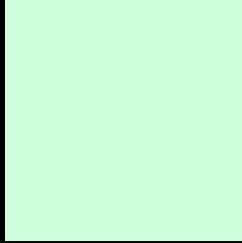
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.8091, 0.3025, 0.3664 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

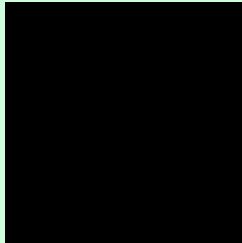
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

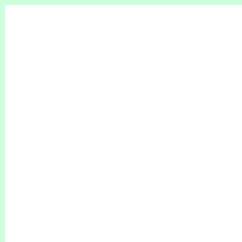
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.8091, 0.3025, 0.3664**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.8091, 0.3025, 0.3664.

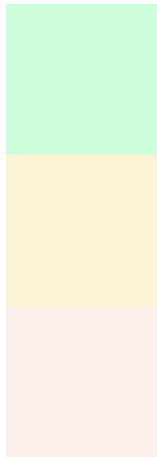


This preview shows how white text looks on a background with the Yxy color 89.8091, 0.3025, 0.3664.

# 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

89.8091, 0.3025, 0.3664

### Protanopia

89.3792, 0.3389, 0.3579

### Deuteranopia

89.0491, 0.3253, 0.3320



## Tritanopia

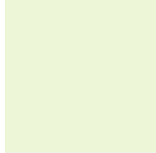
89.3478, 0.2975, 0.3189

# Trichromacy



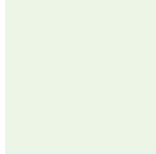
## Original Color

89.8091, 0.3025, 0.3664



## Protanomaly

89.4839, 0.3248, 0.3607



## Deuteranomaly

89.0225, 0.3165, 0.3442



## Tritanomaly

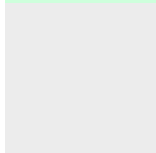
89.5343, 0.2993, 0.3362

# Monochromacy



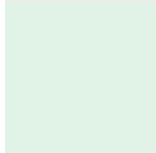
## Original Color

89.8091, 0.3025, 0.3664



## Achromatopsia

83.8799, 0.3127, 0.3290



## Achromatomaly

85.8219, 0.3089, 0.3425

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.8091, 0.3025, 0.3664 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(206, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 220)  
}
```

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(206, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 89.8091, 0.3025, 0.3664 is called "border". The border property can be set on classes, ids or directly on the HTML element.

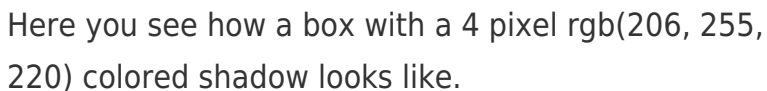
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 255, 220) }
```

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

```
.border{ border-color:rgb(206, 255, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 255, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 255, 220); box-shadow:4px 4px 4px 4px rgb(206, 255, 220) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.8091, 0.3025, 0.3664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 220) }
```

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

```
.background{ background-color: rgb(206,  
255, 220) }
```

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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