

# Converting Colors

$Y_{xy}(110.5015, 0.3025, 0.3967)$

Have a look what the booklet for  
Yxy(110.5015, 0.3025, 0.3967)  
contains.

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# Color

**Yxy(89.7563, 0.3030, 0.3676)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEFFDB
RGB	206, 255, 219
RGB Percent	81%, 100%, 86%
CMY	0.1924, 0.0000, 0.1412
CMYK	0.19, 0.00, 0.14, 0.00
HSL	136°, 100%, 90%
HSV	136°, 19%, 100%
XYZ	73.9830, 89.7563, 80.4291
YIQ	236.2450, -17.6480, -21.5840

# Conversions

## Conversions Part 2

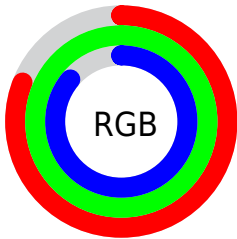
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 245, 255
Decimal	13565915
CIE Lab	95.90, -22.37, 12.13
CIE LCh	96, 25.446, 151.529
Yxy	89.7563, 0.3030, 0.3676
Android (android.graphics.Color)	4291755995 (0xFFCEFFDB)
YUV	236.2450, -8.5018, -26.5249
Hunter-Lab	94.7398, -26.4027, 15.9838

# Details

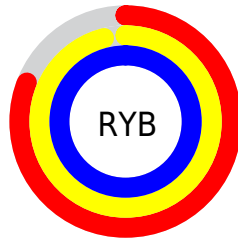
The Yxy color **89.7563, 0.3030, 0.3676** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.7770, 0.3241, 0.2933**, and the grayscale version is **84.1355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6478, 0.3006, 0.3763** is the 20% darker color. If you saturate the color by 10%, you get **85.4576, 0.2982, 0.3912**, and if you desaturate by 10%, it is **94.7361, 0.3080, 0.3464**.

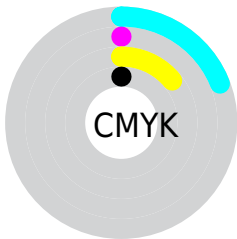
# Distribution



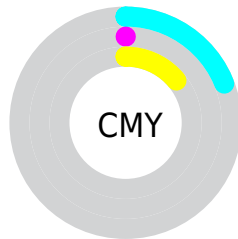
- Red (81%)
- Green (100%)
- Blue (86%)



- 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 89.7563, 0.3030, 0.3676 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 89.7563, 0.3030, 0.3676 by changing the saturation by 10% instead.




 89.7563, 0.3030,  
0.3676

 89.7563, 0.3030,  
0.3676


527.2378, 0.3076,  
0.3499

 67.7785, 0.3019,  
0.3716

146.9998, 0.3046,  
0.3615

 49.7176, 0.3006,  
0.3765


183.0344, 0.3052,  
0.3591

 35.1891, 0.2989,  
0.3828


224.5234, 0.3058,  
0.3570

 23.8085, 0.2967,  
0.3908

271.8511, 0.3062,  
0.3552

 15.1917, 0.2936,  
0.4018

325.4020, 0.3066,  
0.3537

 8.9540, 0.2892,  
0.4173

385.5605, 0.3070,

 4.7112, 0.2820,

0.3523

0.4412

452.7110, 0.3073,  
0.3510

■ 2.0788, 0.2691,  
0.4823

■ 0.6527, 0.1022,  
0.8978

■ 89.7563, 0.3030,  
0.3676

■ 89.7563, 0.3030,  
0.3676

■ 85.4576, 0.2982,  
0.3912

■ 94.7361, 0.3080,  
0.3464

■ 81.8404, 0.2938,  
0.4170

100.0000, 0.3127,  
0.3290

■ 78.8591, 0.2901,  
0.4445

■ 76.4759, 0.2876,  
0.4729

■ 74.6487, 0.2863,  
0.5010

■ 73.3297, 0.2866,  
0.5273

■ 72.4628, 0.2885,  
0.5504

■ 71.9651, 0.2915,  
0.5691

■ 71.9352, 0.2918,  
0.5704

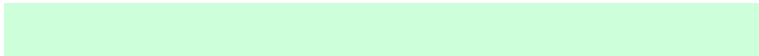
# Harmonies

## Analogous

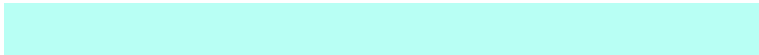
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7563, 0.3316, 0.3795



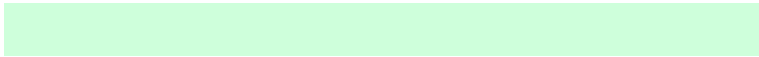
89.7563, 0.3030, 0.3676



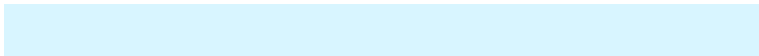
89.7563, 0.2778, 0.3439

# Triad

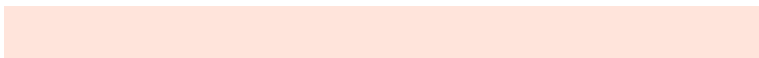
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7563, 0.3030, 0.3676



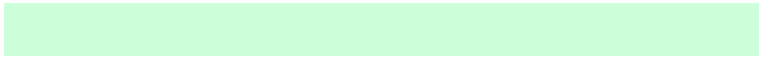
89.7563, 0.2701, 0.2830



89.7563, 0.3660, 0.3375

# Complementary

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



89.7563, 0.3030, 0.3676



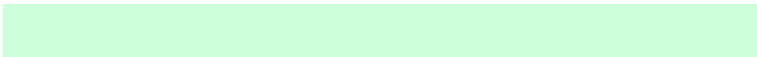
71.7770, 0.3241, 0.2933

# 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.



89.7563, 0.3480, 0.3138



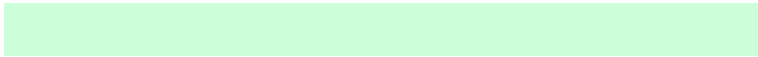
89.7563, 0.3030, 0.3676



89.7563, 0.2921, 0.2833

# Square

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



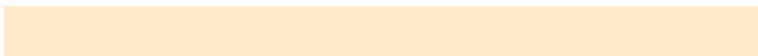
89.7563, 0.3030, 0.3676



89.7563, 0.2595, 0.2947



89.7563, 0.3206, 0.2944

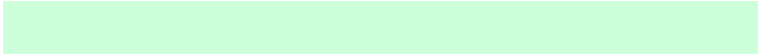


89.7563, 0.3688, 0.3602

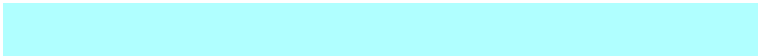


# Rectangle

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



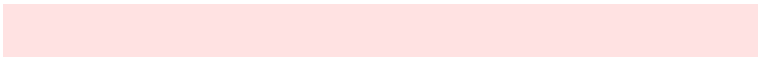
89.7563, 0.3030, 0.3676



89.7563, 0.2660, 0.3255



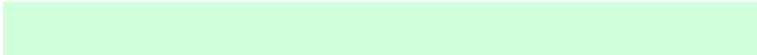
89.7563, 0.3206, 0.2944



89.7563, 0.3615, 0.3294

# Sweetspot

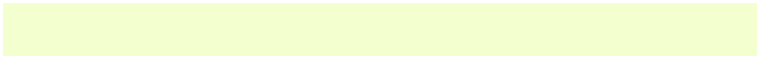
The Sweet Spot groups the original color and five complimentary colors.



89.7454, 0.3030, 0.3676



96.5104, 0.3097, 0.3401



94.9800, 0.3337, 0.3784



20.5794, 0.3094, 0.3413



0.0000, 0.0000, 0.0000

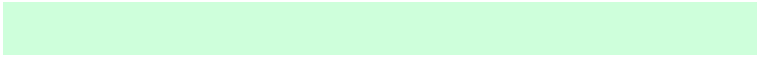


21.4041, 0.3127, 0.3290

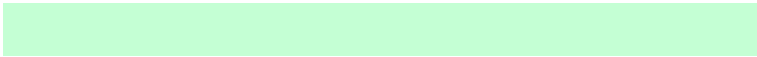


# Same Dimension

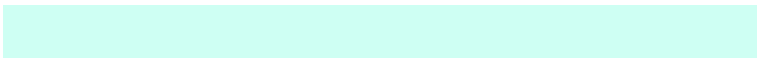
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7454, 0.3030, 0.3676



88.0536, 0.3011, 0.3762



91.0868, 0.2902, 0.3418



20.2475, 0.3079, 0.3469



37.6086, 0.2910, 0.5677



3.6790, 0.2850, 0.5461



# Inverse Universe

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



71.7770, 0.3241, 0.2933



67.1537, 0.3267, 0.2861



70.4416, 0.3415, 0.3166



18.2130, 0.3179, 0.3117



13.0136, 0.4022, 0.1990

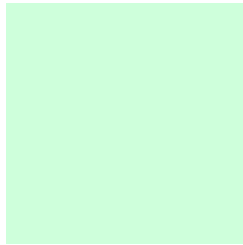


1.2852, 0.3908, 0.1927



# Previews

## White Background



This preview shows how the Yxy color 89.7563, 0.3030, 0.3676 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

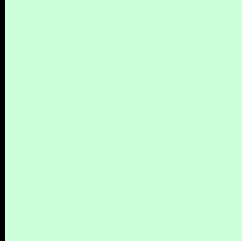
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.7563, 0.3030, 0.3676 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

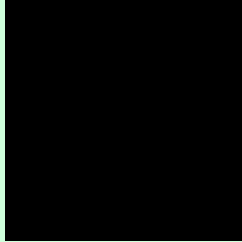
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

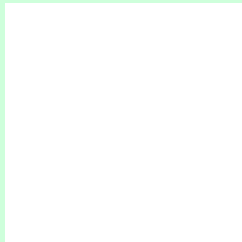
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.7563, 0.3030, 0.3676**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.7563, 0.3030, 0.3676.

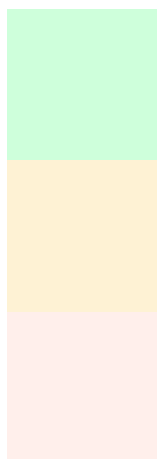


This preview shows how white text looks on a background with the Yxy color 89.7563, 0.3030, 0.3676.

# 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

89.7563, 0.3030, 0.3676

### Protanopia

89.3286, 0.3395, 0.3589

### Deuteranopia

88.9912, 0.3259, 0.3330



## Tritanopia

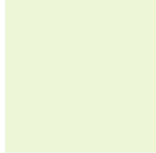
89.3478, 0.2975, 0.3189

# Trichromacy



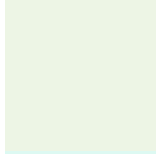
## Original Color

89.7563, 0.3030, 0.3676



## Protanomaly

89.4324, 0.3255, 0.3618



## Deuteranomaly

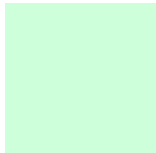
88.9665, 0.3171, 0.3453



## Tritanomaly

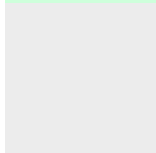
89.5343, 0.2993, 0.3362

# Monochromacy



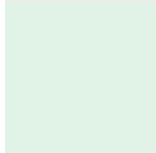
## Original Color

89.7563, 0.3030, 0.3676



## 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 89.7563, 0.3030, 0.3676 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 89.7563, 0.3030, 0.3676 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, 219) }
```

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

```
.border{ border-color:rgb(206, 255, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.7563, 0.3030, 0.3676 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, 219) }
```

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

```
.background{ background-color: rgb(206,  
255, 219) }
```

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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