

# Converting Colors

$Y_{xy}(100.0000, 0.2942, 0.3757)$

Have a look what the booklet for  
Yxy(100.0000, 0.2942, 0.3757)  
contains.

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# Color

**Yxy(89.0718, 0.2940, 0.3591)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6FFE3
RGB	198, 255, 227
RGB Percent	78%, 100%, 89%
CMY	0.2234, 0.0000, 0.1097
CMYK	0.22, 0.00, 0.11, 0.00
HSL	151°, 100%, 89%
HSV	151°, 22%, 100%
XYZ	72.9243, 89.0718, 86.0457
YIQ	234.7650, -24.9840, -20.7920

# Conversions

## Conversions Part 2

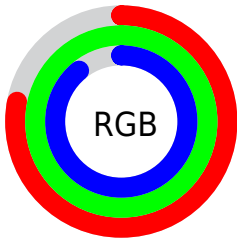
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 236, 255
Decimal	13041635
CIELab	95.61, -23.34, 7.52
CIELCh	96, 24.527, 162.133
Yxy	89.0718, 0.2940, 0.3591
Android (android.graphics.Color)	4291231715 (0xFFC6FFE3)
YUV	234.7650, -3.8281, -32.2429
Hunter-Lab	94.3779, -27.2371, 12.0089

# Details

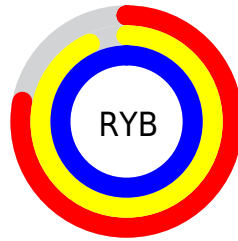
The Yxy color **89.0718, 0.2940, 0.3591** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.1550, 0.3367, 0.3008**, and the grayscale version is **82.9425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2064, 0.2894, 0.3654** is the 20% darker color. If you saturate the color by 10%, you get **85.2299, 0.2864, 0.3750**, and if you desaturate by 10%, it is **93.5548, 0.3022, 0.3447**.

# Distribution



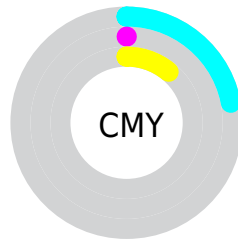
- Red (78%)
- Green (100%)
- Blue (89%)



- 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 89.0718, 0.2940, 0.3591 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 89.0718, 0.2940, 0.3591 by changing the saturation by 10% instead.




 89.0718, 0.2940,  
0.3591

 89.0718, 0.2940,  
0.3591

525.0068, 0.3025,  
0.3454

 67.2111, 0.2921,  
0.3622


146.0484, 0.2969,  
0.3544

 49.2562, 0.2898,  
0.3660


181.9331, 0.2981,  
0.3525

 34.8227, 0.2868,  
0.3708


223.2612, 0.2991,  
0.3509

 23.5264, 0.2830,  
0.3770

270.4171, 0.2999,  
0.3495

 14.9826, 0.2780,  
0.3854

323.7852, 0.3007,  
0.3483

 8.8072, 0.2708,  
0.3973


383.7499, 0.3014,


 4.6156, 0.2599,

0.3472


0.4156


450.6957, 0.3020,  
0.3462


 2.0236, 0.2417,  
0.4468


 0.6211, 0.0259,  
0.7844

 89.0718, 0.2940,  
0.3591


 89.0718, 0.2940,  
0.3591

 85.2299, 0.2864,  
0.3750

 93.5548, 0.3022,  
0.3447

 81.9875, 0.2796,  
0.3922

 98.6958, 0.3107,  
0.3318

 79.3158, 0.2741,  
0.4105

 99.9967, 0.3127,  
0.3290

 77.1786, 0.2701,  
0.4297

■ 75.5355, 0.2680,  
0.4492

■ 74.3402, 0.2679,  
0.4686

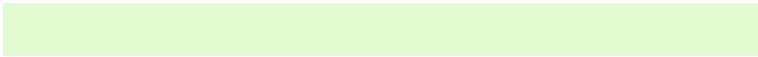
■ 73.5368, 0.2699,  
0.4873

■ 73.1236, 0.2725,  
0.5009

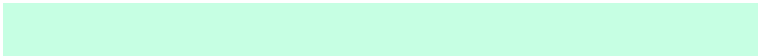
# Harmonies

## Analogous

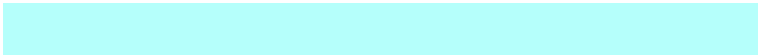
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0718, 0.3213, 0.3753



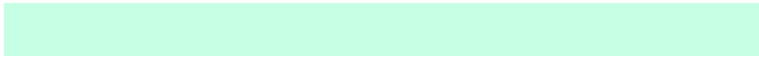
89.0718, 0.2940, 0.3591



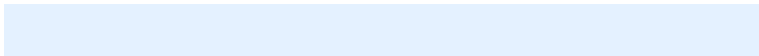
89.0718, 0.2723, 0.3340

# Triad

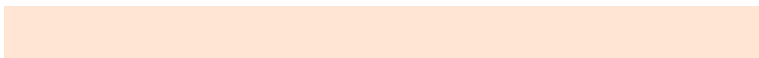
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0718, 0.2940, 0.3591



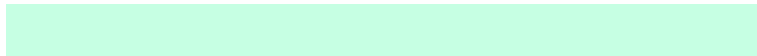
89.0718, 0.2780, 0.2833



89.0718, 0.3670, 0.3454

# Complementary

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



89.0718, 0.2940, 0.3591



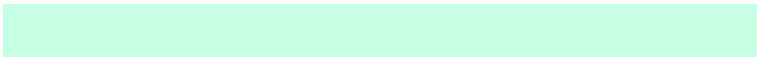
67.1550, 0.3367, 0.3008

# 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.



89.0718, 0.3544, 0.3222



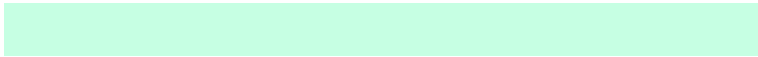
89.0718, 0.2940, 0.3591



89.0718, 0.3022, 0.2874

# Square

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



89.0718, 0.2940, 0.3591



89.0718, 0.2634, 0.2906



89.0718, 0.3303, 0.3015

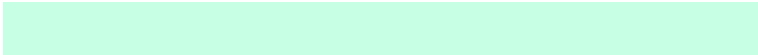


89.0718, 0.3642, 0.3657

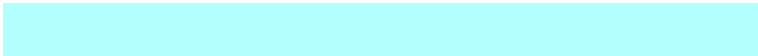


# Rectangle

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



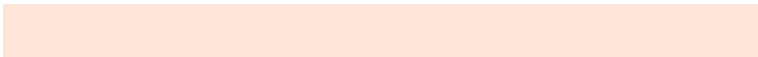
89.0718, 0.2940, 0.3591



89.0718, 0.2636, 0.3166



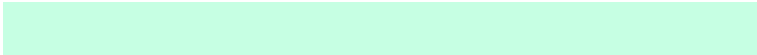
89.0718, 0.3303, 0.3015



89.0718, 0.3644, 0.3377

# Sweetspot

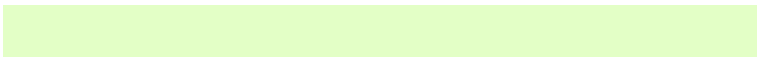
The Sweet Spot groups the original color and five complimentary colors.



89.0755, 0.2940, 0.3591



96.2188, 0.3067, 0.3376



91.8480, 0.3277, 0.3885



20.5283, 0.3062, 0.3384



0.0000, 0.0000, 0.0000

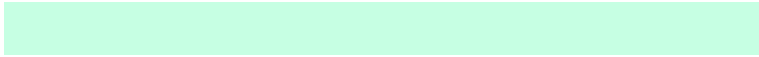


21.4041, 0.3127, 0.3290

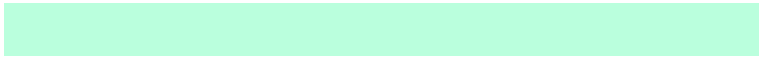


# Same Dimension

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



89.0755, 0.2940, 0.3591



87.2091, 0.2904, 0.3663



90.7472, 0.2795, 0.3289



20.3225, 0.3046, 0.3409



38.2407, 0.2717, 0.4980



3.7454, 0.2660, 0.4775



# Inverse Universe

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



67.1550, 0.3367, 0.3008



61.6056, 0.3430, 0.2946



65.7431, 0.3586, 0.3291



18.1357, 0.3217, 0.3174



11.9149, 0.5003, 0.2530

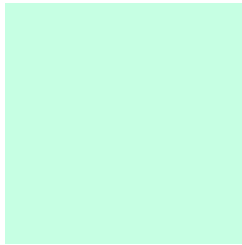


1.1821, 0.4744, 0.2387



# Previews

## White Background



This preview shows how the Yxy color 89.0718, 0.2940, 0.3591 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

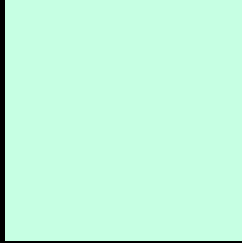
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.0718, 0.2940, 0.3591 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

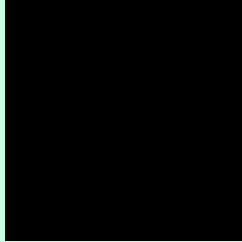
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

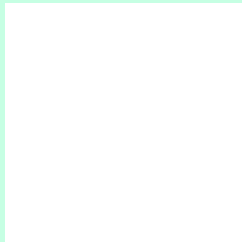
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.0718, 0.2940, 0.3591**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.0718, 0.2940, 0.3591.

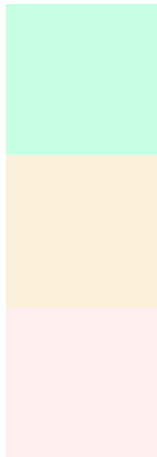


This preview shows how white text looks on a background with the Yxy color 89.0718, 0.2940, 0.3591.

# 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

89.0718, 0.2940, 0.3591

### Protanopia

88.5343, 0.3331, 0.3510

### Deuteranopia

88.5235, 0.3247, 0.3300



## Tritanopia

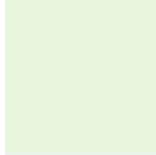
88.6936, 0.2950, 0.3189

# Trichromacy



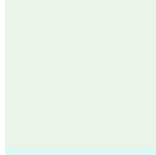
## Original Color

89.0718, 0.2940, 0.3591



## Protanomaly

88.3413, 0.3180, 0.3537



## Deuteranomaly

88.0770, 0.3128, 0.3402



## Tritanomaly

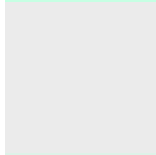
88.9429, 0.2946, 0.3331

# Monochromacy



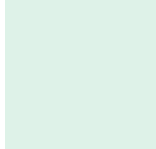
## Original Color

89.0718, 0.2940, 0.3591



## 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 89.0718, 0.2940, 0.3591 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(198, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 227)  
}
```

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(198, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 89.0718, 0.2940, 0.3591 is called "border". The border property can be set on classes, ids or directly on the HTML element.

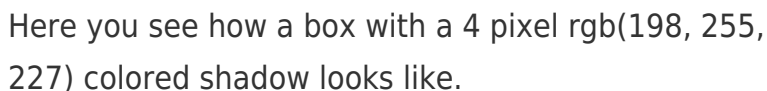
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 255, 227) }
```

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

```
.border{ border-color:rgb(198, 255, 227) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.0718, 0.2940, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 227) }
```

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

```
.background{ background-color: rgb(198,  
255, 227) }
```

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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