

# Converting Colors

$Yxy(89.4010, 0.2812, 0.3158)$

Have a look what the booklet for  
Yxy(89.4010, 0.2812, 0.3158)  
contains.

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# Color

**Yxy(89.1465, 0.2852, 0.3238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FAFF
RGB	209, 250, 255
RGB Percent	82%, 98%, 100%
CMY	0.1805, 0.0195, 0.0001
CMYK	0.18, 0.02, 0.00, 0.00
HSL	186°, 100%, 91%
HSV	186°, 18%, 100%
XYZ	78.5194, 89.1465, 107.6476
YIQ	238.3110, -26.0410, -7.1370

# Conversions

## Conversions Part 2

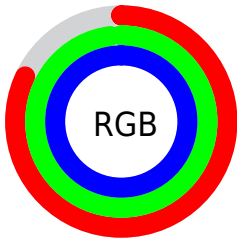
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 231, 255
Decimal	13761279
CIE Lab	95.64, -12.06, -6.76
CIE LCh	96, 13.822, 209.256
Yxy	89.1465, 0.2852, 0.3238
Android (android.graphics.Color)	4291951359 (0xFFD1FAFF)
YUV	238.3110, 8.2277, -25.7057
Hunter-Lab	94.4174, -16.7864, -1.5058

# Details

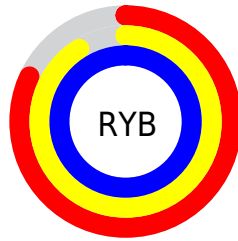
The Yxy color **89.1465, 0.2852, 0.3238** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.9109, 0.3470, 0.3341**, and the grayscale version is **85.7009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.0872, 0.2796, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **84.0308, 0.2710, 0.3206**, and if you desaturate by 10%, it is **94.8895, 0.3002, 0.3268**.

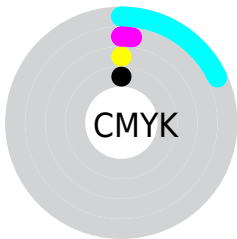
# Distribution



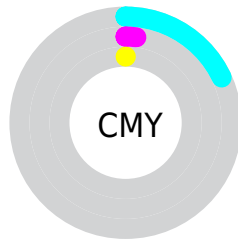
- Red (82%)
- Green (98%)
- Blue (100%)



- Red (82%)
- Yellow (91%)
- Blue (100%)



- Cyan (18%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (18%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.1465, 0.2852, 0.3238 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 89.1465, 0.2852, 0.3238 by changing the saturation by 10% instead.




 89.1465, 0.2852,  
0.3238

 89.1465, 0.2852,  
0.3238


525.2505, 0.2974,  
0.3263

 67.2730, 0.2825,  
0.3232


146.1523, 0.2893,  
0.3247

 49.3065, 0.2793,  
0.3225

182.0533, 0.2910,  
0.3250

 34.8627, 0.2753,  
0.3216


223.3990, 0.2924,  
0.3253

 23.5571, 0.2703,  
0.3204

270.5737, 0.2936,  
0.3255

 15.0054, 0.2636,  
0.3188

323.9618, 0.2947,  
0.3257

 8.8232, 0.2545,  
0.3164

383.9477, 0.2957,

 4.6260, 0.2413,

0.3259

0.3127

450.9158, 0.2966,  
0.3261

2.0296, 0.2205,  
0.3062

0.6246, 0.1433,  
0.2990

89.1465, 0.2852,  
0.3238

89.1465, 0.2852,  
0.3238

84.0308, 0.2710,  
0.3206

94.8895, 0.3002,  
0.3268

79.5030, 0.2579,  
0.3172

99.9979, 0.3127,  
0.3290

75.5361, 0.2463,  
0.3136

72.0965, 0.2363,  
0.3099

■ 69.1471, 0.2282,  
0.3061

■ 66.6455, 0.2221,  
0.3023

■ 64.5415, 0.2179,  
0.2985

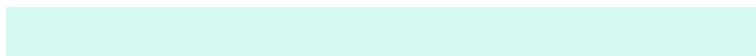
■ 62.7673, 0.2154,  
0.2948

■ 62.4393, 0.2150,  
0.2941

# Harmonies

## Analogous

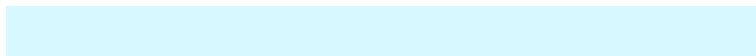
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1465, 0.2946, 0.3382



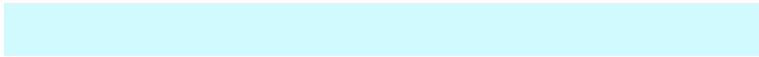
89.1465, 0.2852, 0.3238



89.1465, 0.2830, 0.3113

# Triad

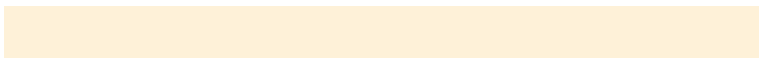
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1465, 0.2852, 0.3238



89.1465, 0.3160, 0.3090



89.1465, 0.3372, 0.3543

# Complementary

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



89.1465, 0.2852, 0.3238



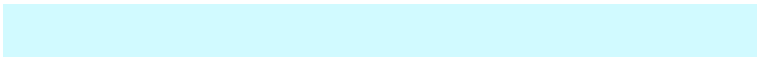
73.9109, 0.3470, 0.3341

# 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.



89.1465, 0.3433, 0.3457



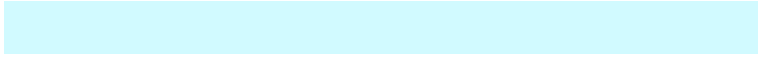
89.1465, 0.2852, 0.3238



89.1465, 0.3309, 0.3198

# Square

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



89.1465, 0.2852, 0.3238



89.1465, 0.3005, 0.3032



89.1465, 0.3410, 0.3331



89.1465, 0.3245, 0.3562

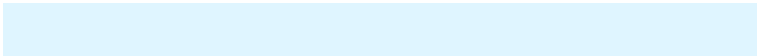


# Rectangle

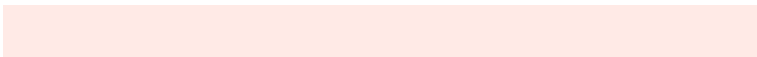
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.1465, 0.2852, 0.3238



89.1465, 0.2859, 0.3057



89.1465, 0.3410, 0.3331



89.1465, 0.3401, 0.3521

# Sweetspot

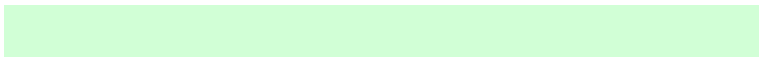
The Sweet Spot groups the original color and five complimentary colors.



89.1502, 0.2852, 0.3238



96.7888, 0.3049, 0.3276



89.8839, 0.3078, 0.3733



20.6230, 0.3038, 0.3274



0.0000, 0.0000, 0.0000

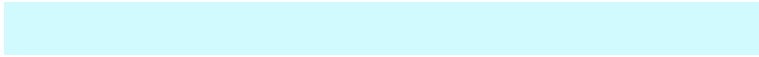


21.4041, 0.3127, 0.3290

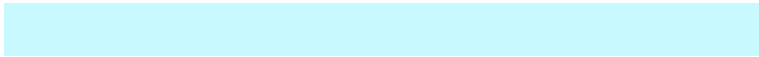


# Same Dimension

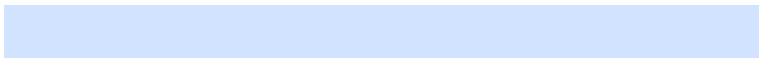
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1502, 0.2852, 0.3238



87.0751, 0.2795, 0.3226



75.9104, 0.2839, 0.2997



20.1276, 0.2980, 0.3264



32.7699, 0.2152, 0.2947



3.2824, 0.2164, 0.2989



# Inverse Universe

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



73.7445, 0.3182, 0.2887



68.8979, 0.3196, 0.2797



86.1754, 0.3430, 0.3566



18.2647, 0.3155, 0.3081



14.0361, 0.3501, 0.1702

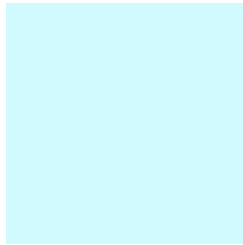


1.3759, 0.3463, 0.1682



# Previews

## White Background



This preview shows how the Yxy color 89.1465, 0.2852, 0.3238 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

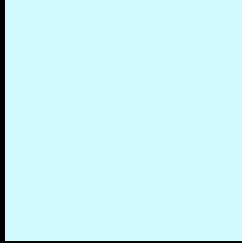
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.1465, 0.2852, 0.3238 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

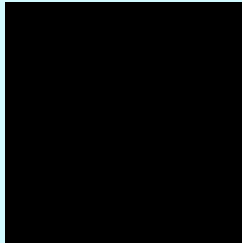
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 89.1465, 0.2852, 0.3238**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.1465, 0.2852, 0.3238.

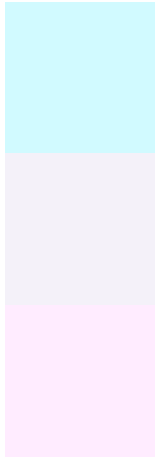


This preview shows how white text looks on a background with the Yxy color 89.1465, 0.2852, 0.3238.

# 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

89.1465, 0.2852, 0.3238

### Protanopia

88.9832, 0.3098, 0.3211

### Deuteranopia

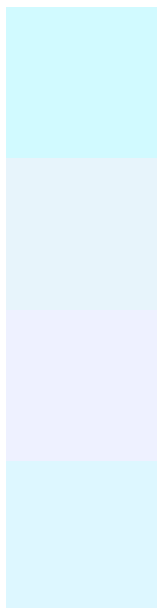
88.4709, 0.3136, 0.3107



## Tritanopia

89.0188, 0.2962, 0.3189

# Trichromacy



## Original Color

89.1465, 0.2852, 0.3238

## Protanomaly

88.6553, 0.3004, 0.3219

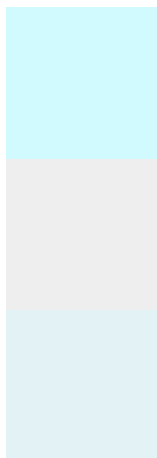
## Deuteranomaly

88.3077, 0.3025, 0.3151

## Tritanomaly

89.1137, 0.2921, 0.3208

# Monochromacy



## Original Color

89.1465, 0.2852, 0.3238

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

86.3668, 0.3019, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.1465, 0.2852, 0.3238 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(209, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 250, 255)  
}
```

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(209, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 250, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 89.1465, 0.2852, 0.3238 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(209, 250, 255) }
```

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

```
.border{ border-color:rgb(209, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 250,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.1465, 0.2852, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 250, 255) }
```

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

```
.background{ background-color: rgb(209,  
250, 255) }
```

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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