

# Converting Colors

$Yxy(85.2630, 0.2688, 0.3237)$

Have a look what the booklet for  
Yxy(85.2630, 0.2688, 0.3237)  
contains.

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# Color

**Yxy(85.1749, 0.2690, 0.3235)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3FAFF
RGB	179, 250, 255
RGB Percent	70%, 98%, 100%
CMY	0.2980, 0.0196, 0.0001
CMYK	0.30, 0.02, 0.00, 0.00
HSL	184°, 100%, 85%
HSV	184°, 30%, 100%
XYZ	70.8255, 85.1749, 107.2914
YIQ	229.3410, -43.9210, -13.4970

# Conversions

## Conversions Part 2

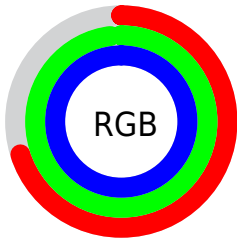
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 216, 255
Decimal	11795199
CIELab	93.96, -20.66, -9.44
CIELCh	94, 22.711, 204.553
Yxy	85.1749, 0.2690, 0.3235
Android (android.graphics.Color)	4289985279 (0xFFB3FAFF)
YUV	229.3410, 12.6499, -44.1491
Hunter-Lab	92.2902, -24.5232, -4.3240

# Details

The Yxy color **85.1749, 0.2690, 0.3235** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.7878, 0.3783, 0.3344**, and the grayscale version is **78.5520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **46.4281, 0.2594, 0.3218** is the 20% darker color. If you saturate the color by 10%, you get **81.3832, 0.2565, 0.3214**, and if you desaturate by 10%, it is **89.5443, 0.2828, 0.3255**.

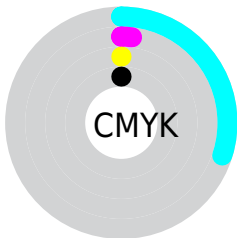
# Distribution



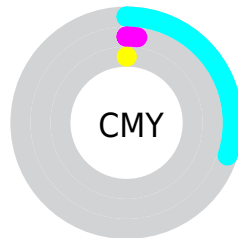
- Red (70%)
- Green (98%)
- Blue (100%)



- Red (70%)
- Yellow (85%)
- Blue (100%)



- Cyan (30%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (30%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1749, 0.2690, 0.3235 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 85.1749, 0.2690, 0.3235 by changing the saturation by 10% instead.




 85.1749, 0.2690,  
0.3235

 85.1749, 0.2690,  
0.3235

512.2066, 0.2884,  
0.3263

 63.9859, 0.2648,  
0.3228


 140.6175, 0.2756,  
0.3245

 46.6393, 0.2596,  
0.3219


175.6399, 0.2782,  
0.3249

 32.7506, 0.2533,  
0.3207


216.0423, 0.2804,  
0.3252

 21.9354, 0.2452,  
0.3192

262.2089, 0.2824,  
0.3255

 13.8095, 0.2346,  
0.3169

314.5243, 0.2842,  
0.3258

 7.9883, 0.2202,  
0.3135

373.3728, 0.2857,

 4.0874, 0.1994,

0.3260

0.3079

439.1387, 0.2871,  
0.3262

1.7226, 0.1674,  
0.2972

0.4382, 0.0000,  
0.2764

85.1749, 0.2690,  
0.3235

85.1749, 0.2690,  
0.3235

81.3832, 0.2565,  
0.3214

89.5443, 0.2828,  
0.3255

78.1279, 0.2456,  
0.3192

94.5098, 0.2976,  
0.3273

75.3785, 0.2365,  
0.3170

99.9983, 0.3127,  
0.3290

73.0969, 0.2293,  
0.3147

■ 71.2398, 0.2241,  
0.3125

■ 69.7553, 0.2208,  
0.3103

■ 68.5610, 0.2189,  
0.3081

■ 68.5369, 0.2189,  
0.3080

# Harmonies

## Analogous

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



85.1749, 0.2857, 0.3481



85.1749, 0.2690, 0.3235



85.1749, 0.2636, 0.3018

# Triad

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



85.1749, 0.2690, 0.3235



85.1749, 0.3138, 0.2943



85.1749, 0.3559, 0.3694

# Complementary

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



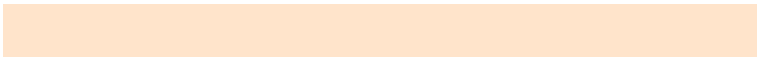
85.1749, 0.2690, 0.3235



58.7878, 0.3783, 0.3344

# 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.



85.1749, 0.3644, 0.3531



85.1749, 0.2690, 0.3235



85.1749, 0.3395, 0.3106

# Square

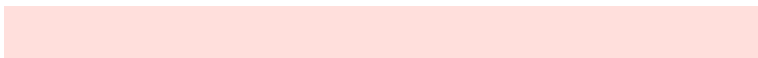
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1749, 0.2690, 0.3235



85.1749, 0.2887, 0.2863



85.1749, 0.3584, 0.3317



85.1749, 0.3358, 0.3752

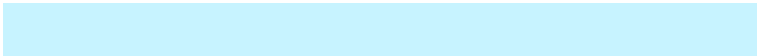


# Rectangle

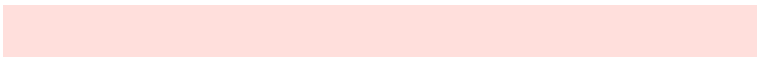
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.1749, 0.2690, 0.3235



85.1749, 0.2670, 0.2919



85.1749, 0.3584, 0.3317



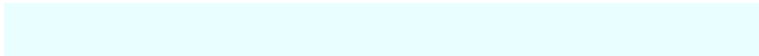
85.1749, 0.3602, 0.3648

# Sweetspot

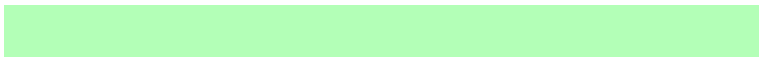
The Sweet Spot groups the original color and five complimentary colors.



85.1783, 0.2690, 0.3235



94.9498, 0.2988, 0.3275



84.5007, 0.3066, 0.4121



20.1588, 0.2966, 0.3272



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

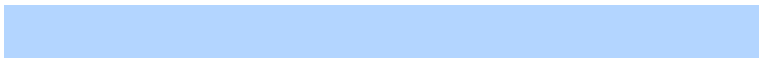
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1783, 0.2690, 0.3235



82.7751, 0.2611, 0.3222



64.4938, 0.2643, 0.2818



20.2658, 0.2980, 0.3274



35.9074, 0.2190, 0.3084



3.5551, 0.2197, 0.3109



# Inverse Universe

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



60.4063, 0.3200, 0.2590



54.3646, 0.3217, 0.2447



76.1153, 0.3673, 0.3719



18.2786, 0.3148, 0.3071



14.3528, 0.3381, 0.1636

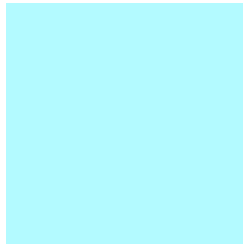


1.4034, 0.3359, 0.1624



# Previews

## White Background



This preview shows how the Yxy color 85.1749, 0.2690, 0.3235 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

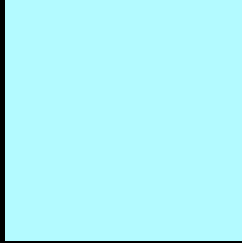
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.1749, 0.2690, 0.3235 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

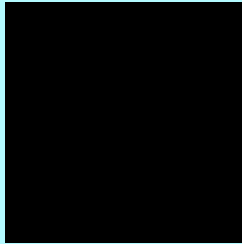
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.1749, 0.2690, 0.3235**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.1749, 0.2690, 0.3235.

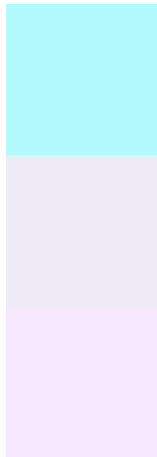


This preview shows how white text looks on a background with the Yxy color 85.1749, 0.2690, 0.3235.

# 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

85.1749, 0.2690, 0.3235

### Protanopia

84.2476, 0.3079, 0.3179

### Deuteranopia

84.7074, 0.3084, 0.3064



## Tritanopia

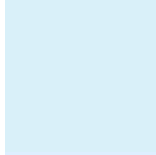
84.7311, 0.2842, 0.3164

# Trichromacy



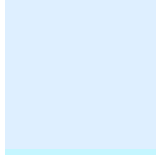
## Original Color

85.1749, 0.2690, 0.3235



## Protanomaly

83.9114, 0.2928, 0.3196



## Deuteranomaly

84.4826, 0.2924, 0.3126



## Tritanomaly

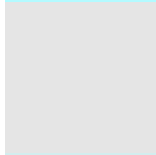
85.0019, 0.2782, 0.3194

# Monochromacy



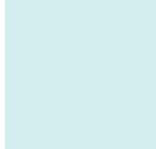
## Original Color

85.1749, 0.2690, 0.3235



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

80.5903, 0.2953, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.1749, 0.2690, 0.3235 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(179, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 250, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 85.1749, 0.2690, 0.3235 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(179, 250, 255) }
```

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

```
.border{ border-color:rgb(179, 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(179, 250, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 250,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.1749, 0.2690, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 250, 255) }
```

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

```
.background{ background-color: rgb(179,  
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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