

# Converting Colors

$Yxy(85.6112, 0.2672, 0.3250)$

Have a look what the booklet for  
Yxy(85.6112, 0.2672, 0.3250)  
contains.

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# Color

**Yxy(85.3283, 0.2671, 0.3245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFFBFF
RGB	175, 251, 255
RGB Percent	69%, 98%, 100%
CMY	0.3136, 0.0157, 0.0000
CMYK	0.31, 0.02, 0.00, 0.00
HSL	183°, 100%, 84%
HSV	183°, 31%, 100%
XYZ	70.2348, 85.3283, 107.3901
YIQ	228.7320, -46.5800, -14.8680

# Conversions

## Conversions Part 2

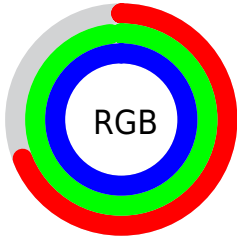
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 214, 255
Decimal	11533311
CIELab	94.02, -22.21, -9.38
CIElCh	94, 24.107, 202.910
Yxy	85.3283, 0.2671, 0.3245
Android (android.graphics.Color)	4289723391 (0xFFAFFBFF)
YUV	228.7320, 12.9501, -47.1230
Hunter-Lab	92.3733, -25.9333, -4.2672

# Details

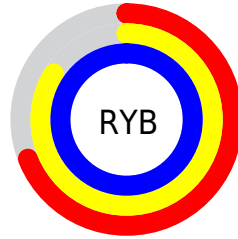
The Yxy color **85.3283, 0.2671, 0.3245** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.6152, 0.3835, 0.3334**, and the grayscale version is **78.0832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **46.5827, 0.2573, 0.3232** is the 20% darker color. If you saturate the color by 10%, you get **81.8572, 0.2550, 0.3229**, and if you desaturate by 10%, it is **89.3663, 0.2806, 0.3261**.

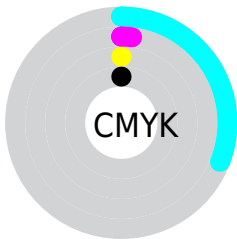
# Distribution



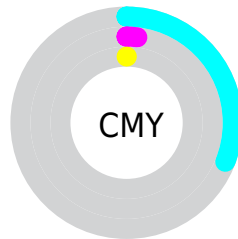
- Red (69%)
- Green (98%)
- Blue (100%)



- Red (69%)
- Yellow (84%)
- Blue (100%)



- Cyan (31%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3283, 0.2671, 0.3245 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 85.3283, 0.2671, 0.3245 by changing the saturation by 10% instead.




 85.3283, 0.2671,  
0.3245

 85.3283, 0.2671,  
0.3245


512.7138, 0.2873,  
0.3269

 64.1127, 0.2627,  
0.3239


 140.8318, 0.2739,  
0.3254

 46.7419, 0.2573,  
0.3231


175.8884, 0.2767,  
0.3257

 32.8317, 0.2507,  
0.3221


216.3275, 0.2790,  
0.3260

 21.9975, 0.2423,  
0.3206

262.5335, 0.2811,  
0.3262

 13.8551, 0.2313,  
0.3186

314.8907, 0.2829,  
0.3264

 8.0200, 0.2164,  
0.3154

373.7835, 0.2845,

 4.1077, 0.1949,

0.3266

0.3101

439.5964, 0.2860,  
0.3268

1.7340, 0.1620,  
0.2998

0.4455, 0.0000,  
0.2788

85.3283, 0.2671,  
0.3245

85.3283, 0.2671,  
0.3245

81.8572, 0.2550,  
0.3229

89.3663, 0.2806,  
0.3261

78.9150, 0.2445,  
0.3212

93.9936, 0.2952,  
0.3275

76.4694, 0.2359,  
0.3195

99.2394, 0.3106,  
0.3288

74.4815, 0.2292,  
0.3178

100.0000, 0.3127,  
0.3290

■ 72.9070, 0.2245,  
0.3161

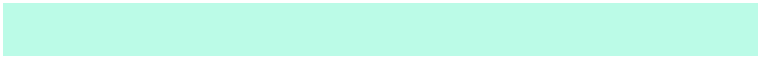
■ 71.6924, 0.2216,  
0.3144

■ 70.8614, 0.2203,  
0.3130

# Harmonies

## Analogous

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



85.3283, 0.2853, 0.3506



85.3283, 0.2671, 0.3245



85.3283, 0.2607, 0.3012

# Triad

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



85.3283, 0.2671, 0.3245



85.3283, 0.3122, 0.2916



85.3283, 0.3593, 0.3710

# Complementary

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



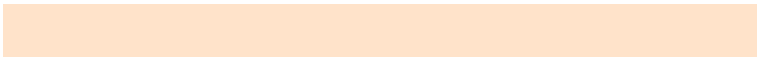
85.3283, 0.2671, 0.3245



56.6152, 0.3835, 0.3334

# 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.



85.3283, 0.3676, 0.3533



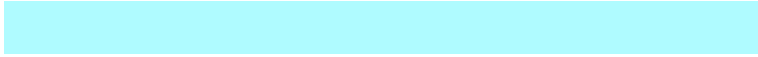
85.3283, 0.2671, 0.3245



85.3283, 0.3398, 0.3084

# Square

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



85.3283, 0.2671, 0.3245



85.3283, 0.2859, 0.2836



85.3283, 0.3604, 0.3305

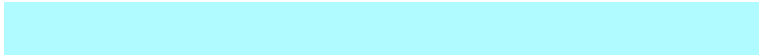


85.3283, 0.3385, 0.3781

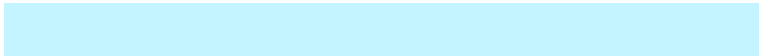


# Rectangle

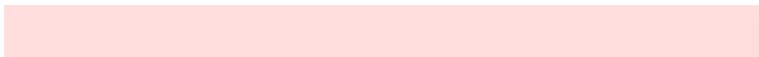
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.3283, 0.2671, 0.3245



85.3283, 0.2638, 0.2903



85.3283, 0.3604, 0.3305



85.3283, 0.3637, 0.3660

# Sweetspot

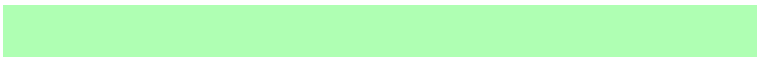
The Sweet Spot groups the original color and five complimentary colors.



85.3305, 0.2671, 0.3245



95.1731, 0.2988, 0.3278



83.8950, 0.3063, 0.4172



20.2142, 0.2966, 0.3276



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.



85.3305, 0.2671, 0.3245



82.9622, 0.2589, 0.3235



62.9385, 0.2617, 0.2790



20.3163, 0.2980, 0.3278



37.0946, 0.2204, 0.3133



3.6578, 0.2209, 0.3152



# Inverse Universe

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



58.9008, 0.3194, 0.2543



52.6592, 0.3210, 0.2389



75.0295, 0.3707, 0.3742



18.2837, 0.3146, 0.3067



14.4727, 0.3339, 0.1613

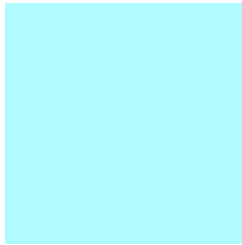


1.4138, 0.3323, 0.1604



# Previews

## White Background



This preview shows how the Yxy color 85.3283, 0.2671, 0.3245 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

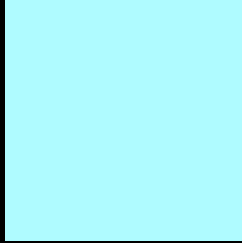
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.3283, 0.2671, 0.3245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

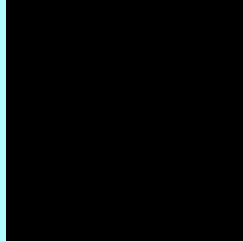
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.3283, 0.2671, 0.3245**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.3283, 0.2671, 0.3245.

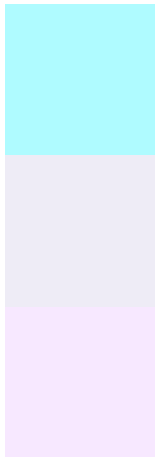


This preview shows how white text looks on a background with the Yxy color 85.3283, 0.2671, 0.3245.

# 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

85.3283, 0.2671, 0.3245

### Protanopia

84.8219, 0.3079, 0.3189

### Deuteranopia

84.7074, 0.3084, 0.3064



## Tritanopia

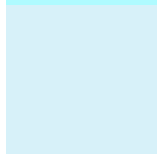
85.1868, 0.2837, 0.3174

# Trichromacy



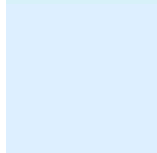
## Original Color

85.3283, 0.2671, 0.3245



## Protanomaly

84.1972, 0.2916, 0.3206



## Deuteranomaly

84.3252, 0.2918, 0.3126



## Tritanomaly

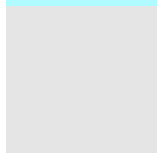
85.3436, 0.2771, 0.3204

# Monochromacy



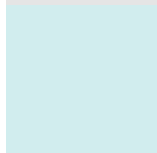
## Original Color

85.3283, 0.2671, 0.3245



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

80.2967, 0.2940, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.3283, 0.2671, 0.3245 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(175, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 251, 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(175, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 251, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 85.3283, 0.2671, 0.3245 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(175, 251, 255) }
```

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

```
.border{ border-color:rgb(175, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 251,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.3283, 0.2671, 0.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 251, 255) }
```

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

```
.background{ background-color: rgb(175,  
251, 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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