

Converting Colors

$Y_{xy}(85.8300, 0.2649, 0.3174)$

Have a look what the booklet for
Yxy(85.8300, 0.2649, 0.3174)
contains.

Yxy(85.5615, 0.2681, 0.3245)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.5615, 0.2681, 0.3245)

Conversions

Conversions Part 1

Format	Color
Hex	B1FBFF
RGB	177, 251, 255
RGB Percent	69%, 98%, 100%
CMY	0.3057, 0.0157, 0.0000
CMYK	0.31, 0.02, 0.00, 0.00
HSL	183°, 100%, 85%
HSV	183°, 31%, 100%
XYZ	70.6904, 85.5615, 107.4199
YIQ	229.3300, -45.3880, -14.4440

Conversions

Conversions Part 2

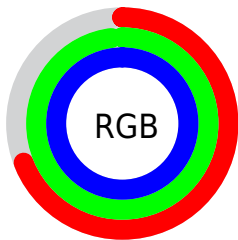
Format	Color
RYB	177, 215, 255
Decimal	11664383
CIELab	94.12, -21.66, -9.23
CIELCh	94, 23.546, 203.079
Yxy	85.5615, 0.2681, 0.3245
Android (android.graphics.Color)	4289854463 (0xFFB1FBFF)
YUV	229.3300, 12.6553, -45.8934
Hunter-Lab	92.4995, -25.4599, -4.1040

Details

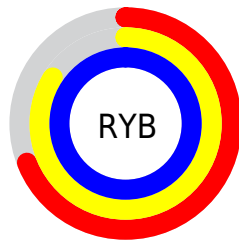
The Yxy color **85.5615, 0.2681, 0.3245** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.5084, 0.3810, 0.3334**, and the grayscale version is **78.5485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **46.7257, 0.2585, 0.3232** is the 20% darker color. If you saturate the color by 10%, you get **82.0259, 0.2559, 0.3229**, and if you desaturate by 10%, it is **89.6654, 0.2817, 0.3261**.

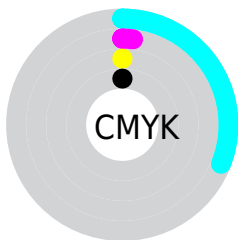
Distribution



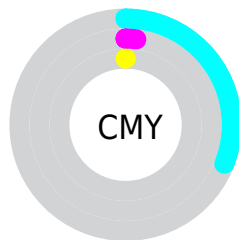
- Red (69%)
- Green (98%)
- Blue (100%)



- 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 85.5615, 0.2681, 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 85.5615, 0.2681, 0.3245 by changing the saturation by 10% instead.


 85.5615, 0.2681,
0.3245

 85.5615, 0.2681,
0.3245


513.4842, 0.2879,
0.3269

 64.3054, 0.2638,
0.3239


 141.1574, 0.2748,
0.3254

 46.8981, 0.2586,
0.3231


176.2660, 0.2774,
0.3257

 32.9551, 0.2521,
0.3221


216.7610, 0.2797,
0.3260

 22.0921, 0.2439,
0.3207

263.0266, 0.2818,
0.3262

 13.9246, 0.2331,
0.3187

315.4474, 0.2836,
0.3264

 8.0682, 0.2185,
0.3156

374.4076, 0.2852,

 4.1386, 0.1975,

0.3266

0.3104

440.2918, 0.2866,
0.3267

■ 1.7514, 0.1652,
0.3005

■ 0.4566, 0.0000,
0.2836

■ 85.5615, 0.2681,
0.3245

■ 85.5615, 0.2681,
0.3245

■ 82.0259, 0.2559,
0.3229

■ 89.6654, 0.2817,
0.3261

■ 79.0226, 0.2453,
0.3212

■ 94.3618, 0.2964,
0.3276

■ 76.5191, 0.2365,
0.3194

■ 99.6790, 0.3118,
0.3289

■ 74.4768, 0.2296,
0.3177

■ 100.0000, 0.3127,
0.3290

■ 72.8520, 0.2247,
0.3159

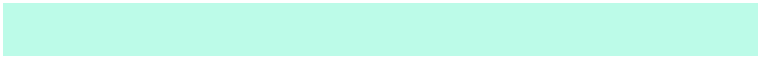
■ 71.5920, 0.2217,
0.3142

■ 70.6590, 0.2202,
0.3126

Harmonies

Analogous

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



85.5615, 0.2859, 0.3499



85.5615, 0.2681, 0.3245



85.5615, 0.2619, 0.3018

Triad

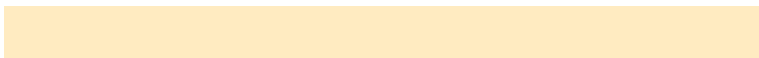
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5615, 0.2681, 0.3245



85.5615, 0.3124, 0.2925



85.5615, 0.3581, 0.3701

Complementary

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



85.5615, 0.2681, 0.3245



57.5084, 0.3810, 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.



85.5615, 0.3663, 0.3529



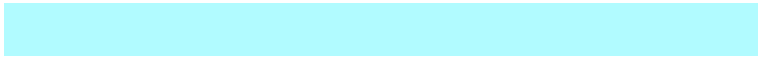
85.5615, 0.2681, 0.3245



85.5615, 0.3393, 0.3090

Square

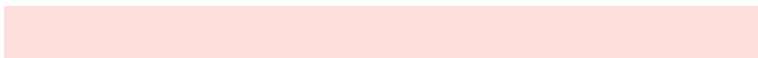
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5615, 0.2681, 0.3245



85.5615, 0.2867, 0.2847



85.5615, 0.3593, 0.3307



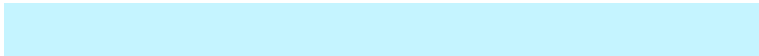
85.5615, 0.3377, 0.3769

Rectangle

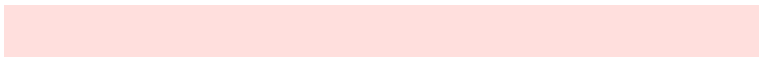
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5615, 0.2681, 0.3245



85.5615, 0.2650, 0.2912



85.5615, 0.3593, 0.3307



85.5615, 0.3624, 0.3653

Sweetspot

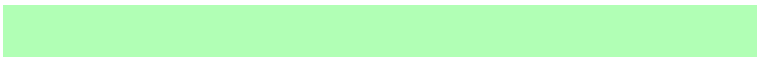
The Sweet Spot groups the original color and five complimentary colors.



85.5631, 0.2681, 0.3245



95.1537, 0.2988, 0.3278



84.2074, 0.3064, 0.4146



20.2094, 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.



85.5631, 0.2681, 0.3245



83.2249, 0.2601, 0.3235



63.7247, 0.2630, 0.2804



20.3119, 0.2980, 0.3277



36.9905, 0.2202, 0.3129



3.6488, 0.2208, 0.3148

Inverse Universe

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



59.6895, 0.3193, 0.2562



53.5391, 0.3209, 0.2413



75.5827, 0.3690, 0.3730



18.2833, 0.3146, 0.3068



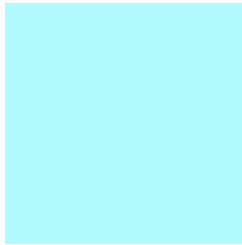
14.4622, 0.3343, 0.1615



1.4129, 0.3326, 0.1606

Previews

White Background



This preview shows how the Yxy color 85.5615, 0.2681, 0.3245 looks on a white background.

Color Contrast Check

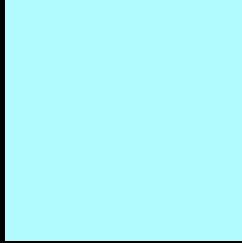
Large Text (above 18pt) WCAG AA × Fail

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 85.5615, 0.2681, 0.3245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

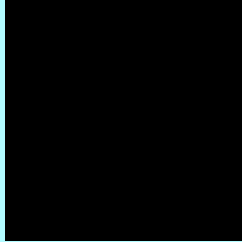
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.5615, 0.2681, 0.3245

Background



This preview shows how black text looks on a background with the Yxy color 85.5615, 0.2681, 0.3245.

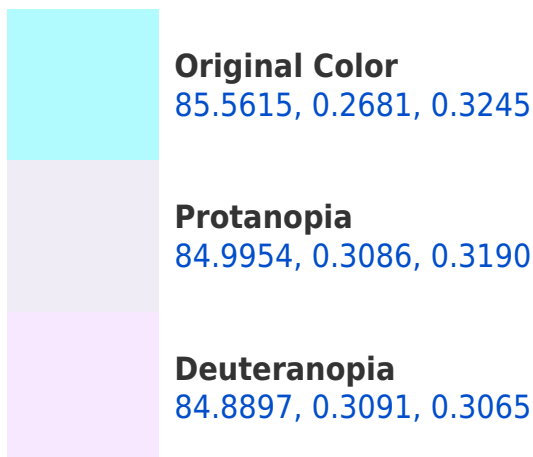


This preview shows how white text looks on a background with the Yxy color 85.5615, 0.2681, 0.3245.

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





Tritanopia

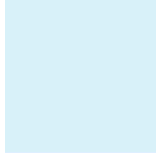
85.4767, 0.2849, 0.3175

Trichromacy



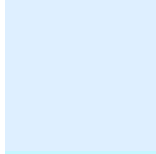
Original Color

85.5615, 0.2681, 0.3245



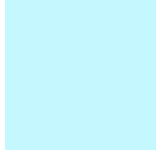
Protanomaly

84.3491, 0.2922, 0.3206



Deuteranomaly

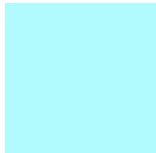
84.4826, 0.2924, 0.3126



Tritanomaly

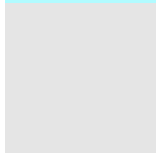
85.6118, 0.2782, 0.3204

Monochromacy



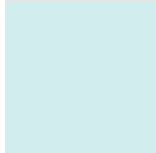
Original Color

85.5615, 0.2681, 0.3245



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.4431, 0.2947, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5615, 0.2681, 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(177, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.5615, 0.2681, 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(177, 251, 255) }
```

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

```
.border{ border-color:rgb(177, 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(177, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5615, 0.2681, 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(177, 251, 255) }
```

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

```
.background{ background-color: rgb(177,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor