

# Converting Colors

$Yxy(85.4009, 0.2614, 0.3355)$

Have a look what the booklet for  
Yxy(85.4009, 0.2614, 0.3355)  
contains.

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# Color

**Yxy(85.4275, 0.2615, 0.3355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CFFF9
RGB	156, 255, 249
RGB Percent	61%, 100%, 98%
CMY	0.3878, 0.0000, 0.0235
CMYK	0.39, 0.00, 0.02, 0.00
HSL	176°, 100%, 81%
HSV	176°, 39%, 100%
XYZ	66.5851, 85.4275, 102.6149
YIQ	224.7150, -57.0780, -22.8540

# Conversions

## Conversions Part 2

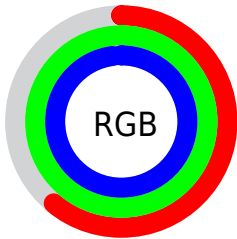
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 207, 255
Decimal	10289145
CIE <sub>Lab</sub>	94.07, -30.36, -6.32
CIE <sub>LCh</sub>	94, 31.009, 191.751
Y <sub>xy</sub>	85.4275, 0.2615, 0.3355
Android (android.graphics.Color)	4288479225 (0xFF9CFFF9)
YUV	224.7150, 11.9725, -60.2631
Hunter-Lab	92.4270, -33.1546, -1.1264

# Details

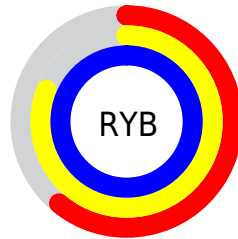
The Yxy color **85.4275, 0.2615, 0.3355** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.6798, 0.4042, 0.3230**, and the grayscale version is **75.0413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **46.8351, 0.2501, 0.3361** is the 20% darker color. If you saturate the color by 10%, you get **83.0508, 0.2516, 0.3374**, and if you desaturate by 10%, it is **88.3458, 0.2730, 0.3337**.

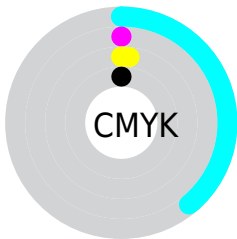
# Distribution



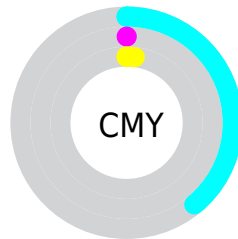
- Red (61%)
- Green (100%)
- Blue (98%)



- Red (61%)
- Yellow (81%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4275, 0.2615, 0.3355 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 85.4275, 0.2615, 0.3355 by changing the saturation by 10% instead.





 85.4275, 0.2615,  
0.3355

 85.4275, 0.2615,  
0.3355

513.0416, 0.2842,  
0.3330

 64.1947, 0.2565,  
0.3360

 140.9703, 0.2692,  
0.3347

 46.8084, 0.2505,  
0.3365


 176.0491, 0.2722,  
0.3344

 32.8842, 0.2431,  
0.3371


216.5119, 0.2749,  
0.3341

 22.0377, 0.2336,  
0.3378

262.7433, 0.2772,  
0.3338

 13.8846, 0.2213,  
0.3385

315.1275, 0.2793,  
0.3336

 8.0405, 0.2045,  
0.3391


374.0491, 0.2811,


 4.1209, 0.1805,


0.3333


0.3392

439.8923, 0.2827,  
0.3331

 1.7414, 0.1433,  
0.3377


 0.4502, 0.0000,  
0.3258

 85.4275, 0.2615,  
0.3355

 85.4275, 0.2615,  
0.3355


 83.0508, 0.2516,  
0.3374


 88.3458, 0.2730,  
0.3337

 81.1718, 0.2435,  
0.3394

 91.8263, 0.2859,  
0.3319

 79.7564, 0.2373,  
0.3415

 95.9007, 0.2999,  
0.3303

 78.7620, 0.2331,  
0.3435

99.9922, 0.3127,  
0.3290

■ 78.1377, 0.2308,  
0.3456

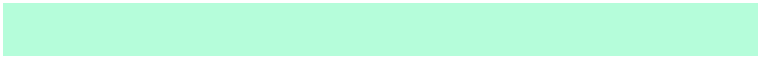
■ 77.8105, 0.2300,  
0.3476

■ 77.7793, 0.2300,  
0.3478

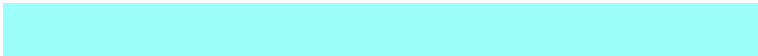
# Harmonies

## Analogous

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



85.4275, 0.2889, 0.3684



85.4275, 0.2615, 0.3355



85.4275, 0.2477, 0.3028

# Triad

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



85.4275, 0.2615, 0.3355



85.4275, 0.2986, 0.2764



85.4275, 0.3788, 0.3750

# Complementary

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



85.4275, 0.2615, 0.3355



47.6798, 0.4042, 0.3230

# 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.



85.4275, 0.3824, 0.3488



85.4275, 0.2615, 0.3355



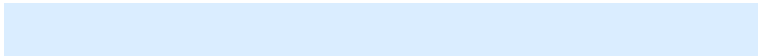
85.4275, 0.3346, 0.2938

# Square

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



85.4275, 0.2615, 0.3355



85.4275, 0.2681, 0.2711



85.4275, 0.3659, 0.3196

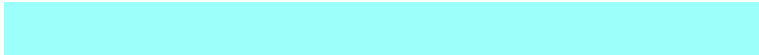


85.4275, 0.3569, 0.3909



# Rectangle

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



85.4275, 0.2615, 0.3355



85.4275, 0.2475, 0.2861



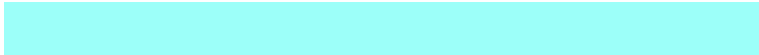
85.4275, 0.3659, 0.3196



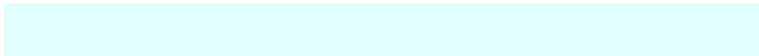
85.4275, 0.3822, 0.3670

# Sweetspot

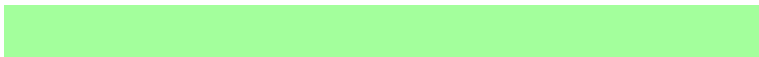
The Sweet Spot groups the original color and five complimentary colors.



85.4309, 0.2615, 0.3355



94.5329, 0.2953, 0.3308



81.6702, 0.3109, 0.4469



20.1181, 0.2934, 0.3310



0.0000, 0.0000, 0.0000

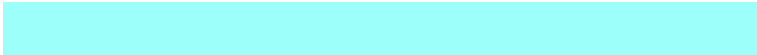


21.4041, 0.3127, 0.3290

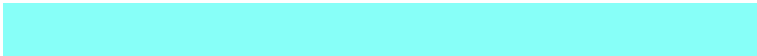


# Same Dimension

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



85.4309, 0.2615, 0.3355



83.4460, 0.2532, 0.3371



61.4527, 0.2512, 0.2789



20.4614, 0.2988, 0.3304



40.6539, 0.2299, 0.3475



3.9639, 0.2292, 0.3452



# Inverse Universe

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



47.6798, 0.4042, 0.3230



40.5945, 0.4348, 0.3219



64.4862, 0.3922, 0.3738



18.0048, 0.3285, 0.3276



11.1343, 0.6340, 0.3266

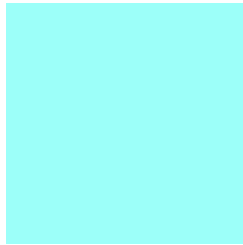


1.0901, 0.6199, 0.3189



# Previews

## White Background



This preview shows how the Yxy color 85.4275, 0.2615, 0.3355 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

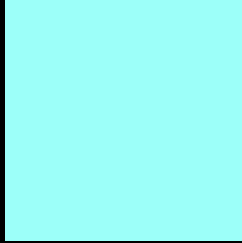
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4275, 0.2615, 0.3355 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

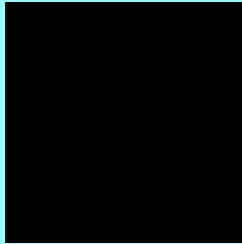
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.4275, 0.2615, 0.3355**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4275, 0.2615, 0.3355.

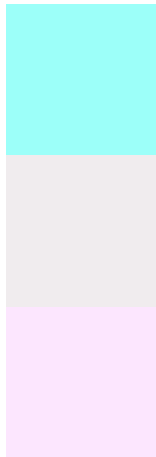


This preview shows how white text looks on a background with the Yxy color 85.4275, 0.2615, 0.3355.

# 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

85.4275, 0.2615, 0.3355

### Protanopia

84.6892, 0.3141, 0.3270

### Deuteranopia

84.4448, 0.3125, 0.3056



## Tritanopia

84.7587, 0.2820, 0.3174

# Trichromacy



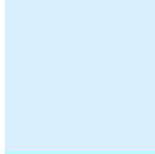
## Original Color

85.4275, 0.2615, 0.3355



## Protanomaly

84.0673, 0.2919, 0.3300



## Deuteranomaly

83.5130, 0.2911, 0.3155



## Tritanomaly

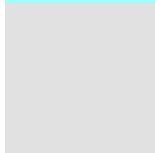
84.7914, 0.2739, 0.3235

# Monochromacy



## Original Color

85.4275, 0.2615, 0.3355



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

78.2108, 0.2907, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4275, 0.2615, 0.3355 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(156, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 249)  
}
```

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(156, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4275, 0.2615, 0.3355 is called "border". The border property can be set on classes, ids or directly on the HTML element.

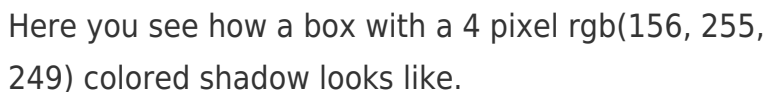
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 255, 249) }
```

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

```
.border{ border-color:rgb(156, 255, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4275, 0.2615, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 249) }
```

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

```
.background{ background-color: rgb(156,  
255, 249) }
```

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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