

Converting Colors

$Y_{xy}(84.1619, 0.2542, 0.3134)$

Have a look what the booklet for
Yxy(84.1619, 0.2542, 0.3134)
contains.

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Color

Yxy(83.3825, 0.2585, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	9DFBFF
RGB	157, 251, 255
RGB Percent	62%, 98%, 100%
CMY	0.3846, 0.0156, 0.0000
CMYK	0.38, 0.02, 0.00, 0.00
HSL	182°, 100%, 81%
HSV	182°, 38%, 100%
XYZ	66.4438, 83.3825, 107.2097
YIQ	223.3500, -57.3080, -18.6840

Conversions

Conversions Part 2

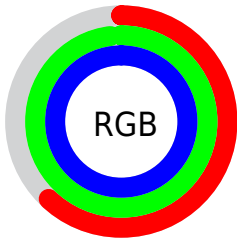
Format	Color
R _{YB}	157, 205, 255
Decimal	10353663
CIE _{Lab}	93.18, -26.86, -10.73
CIE _{LCh}	93, 28.919, 201.771
Y _{xy}	83.3825, 0.2585, 0.3244
Android (android.graphics.Color)	4288543743 (0xFF9DFBFF)
YUV	223.3500, 15.6035, -58.1889
Hunter-Lab	91.3140, -29.9156, -5.6912

Details

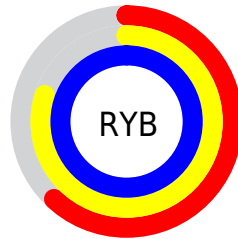
The Yxy color **83.3825, 0.2585, 0.3244** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.1558, 0.4074, 0.3335**, and the grayscale version is **73.9629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **45.3134, 0.2468, 0.3230** is the 20% darker color. If you saturate the color by 10%, you get **80.4375, 0.2476, 0.3231**, and if you desaturate by 10%, it is **86.8711, 0.2710, 0.3257**.

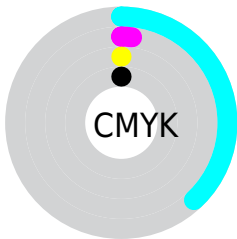
Distribution



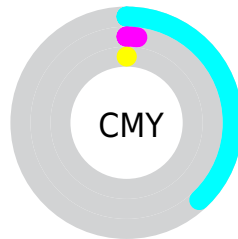
- Red (62%)
- Green (98%)
- Blue (100%)



- Red (62%)
- Yellow (80%)
- Blue (100%)



- Cyan (38%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3825, 0.2585, 0.3244 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 83.3825, 0.2585, 0.3244 by changing the saturation by 10% instead.


 83.3825, 0.2585,
0.3244


 83.3825, 0.2585,
0.3244


506.2604, 0.2825,
0.3270

 62.5057, 0.2533,
0.3237


 138.1111, 0.2666,
0.3254

 45.4415, 0.2469,
0.3228


 172.7316, 0.2699,
0.3257

 31.8053, 0.2390,
0.3216


212.7023, 0.2727,
0.3260

 21.2128, 0.2291,
0.3199

258.4074, 0.2751,
0.3263

 13.2797, 0.2161,
0.3174

310.2314, 0.2773,
0.3265

 7.6214, 0.1985,
0.3135

368.5586, 0.2792,

 3.8537, 0.1734,

0.3267

0.3068

433.7735, 0.2810,
0.3269

■ 1.5920, 0.1350,
0.2938

■ 0.3522, 0.0000,
0.2355

■ 83.3825, 0.2585,
0.3244

■ 83.3825, 0.2585,
0.3244

■ 80.4375, 0.2476,
0.3231

■ 86.8711, 0.2710,
0.3257

■ 77.9951, 0.2386,
0.3217

■ 90.9265, 0.2848,
0.3269

■ 76.0205, 0.2315,
0.3203

■ 95.5797, 0.2996,
0.3281

■ 74.4710, 0.2263,
0.3189

100.0000, 0.3127,
0.3290

■ 73.2964, 0.2230,
0.3176

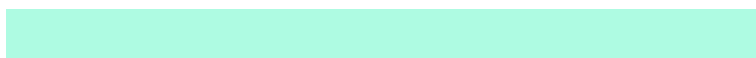
■ 72.4258, 0.2213,
0.3162

■ 72.3037, 0.2211,
0.3160

Harmonies

Analogous

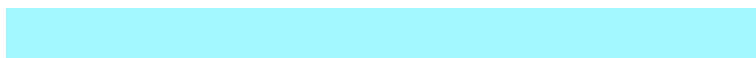
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3825, 0.2806, 0.3564



83.3825, 0.2585, 0.3244



83.3825, 0.2504, 0.2960

Triad

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



83.3825, 0.2585, 0.3244



83.3825, 0.3106, 0.2837



83.3825, 0.3697, 0.3788

Complementary

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



83.3825, 0.2585, 0.3244



49.1558, 0.4074, 0.3335

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.



83.3825, 0.3792, 0.3567



83.3825, 0.2585, 0.3244



83.3825, 0.3442, 0.3033

Square

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



83.3825, 0.2585, 0.3244



83.3825, 0.2793, 0.2746



83.3825, 0.3698, 0.3294



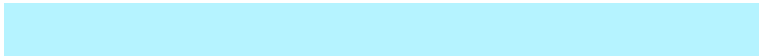
83.3825, 0.3447, 0.3886

Rectangle

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



83.3825, 0.2585, 0.3244



83.3825, 0.2537, 0.2829



83.3825, 0.3698, 0.3294



83.3825, 0.3748, 0.3725

Sweetspot

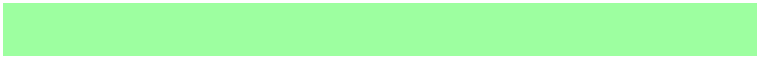
The Sweet Spot groups the original color and five complimentary colors.



83.3849, 0.2585, 0.3244



93.8602, 0.2942, 0.3277



81.2273, 0.3056, 0.4431



19.9585, 0.2923, 0.3275



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.



83.3849, 0.2585, 0.3244



81.1130, 0.2501, 0.3234



56.9526, 0.2499, 0.2674



20.3473, 0.2980, 0.3280



37.8361, 0.2212, 0.3162



3.7218, 0.2216, 0.3178

Inverse Universe

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



52.3192, 0.3204, 0.2371



46.2677, 0.3220, 0.2205



69.4101, 0.3874, 0.3831



18.2869, 0.3144, 0.3065



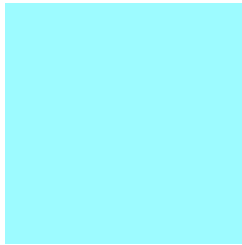
14.5475, 0.3314, 0.1599



1.4203, 0.3301, 0.1592

Previews

White Background



This preview shows how the Yxy color 83.3825, 0.2585, 0.3244 looks on a white background.

Color Contrast Check

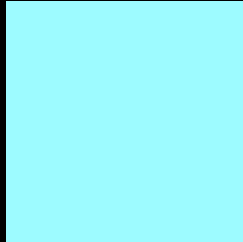
Large Text (above 18pt) WCAG AA × Fail

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 83.3825, 0.2585, 0.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

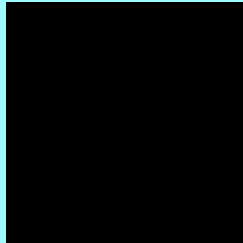
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.3825, 0.2585, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 83.3825, 0.2585, 0.3244.

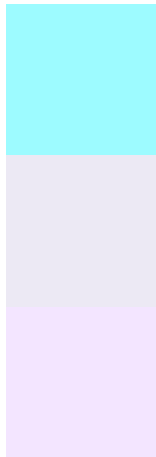


This preview shows how white text looks on a background with the Yxy color 83.3825, 0.2585, 0.3244.

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

83.3825, 0.2585, 0.3244

Protanopia

82.6423, 0.3079, 0.3178

Deuteranopia

82.3133, 0.3059, 0.3032



Tritanopia

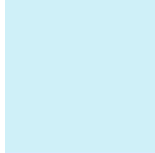
83.0569, 0.2773, 0.3161

Trichromacy



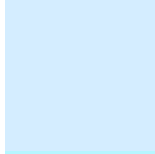
Original Color

83.3825, 0.2585, 0.3244



Protanomaly

82.3629, 0.2873, 0.3205



Deuteranomaly

81.7854, 0.2863, 0.3102



Tritanomaly

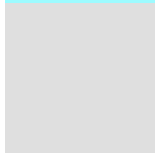
83.0766, 0.2700, 0.3191

Monochromacy



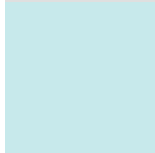
Original Color

83.3825, 0.2585, 0.3244



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.4181, 0.2894, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3825, 0.2585, 0.3244 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(157, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 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(157, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.3825, 0.2585, 0.3244 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(157, 251, 255) }
```

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

```
.border{ border-color:rgb(157, 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(157, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3825, 0.2585, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 251, 255) }
```

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

```
.background{ background-color: rgb(157,  
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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