

# Converting Colors

Yxy(83.4981, 0.2553, 0.3399)

Have a look what the booklet for  
Yxy(83.4981, 0.2553, 0.3399)  
contains.

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# Color

**Yxy(83.5158, 0.2556, 0.3403)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AFF5
RGB	138, 255, 245
RGB Percent	54%, 100%, 96%
CMY	0.4585, 0.0000, 0.0393
CMYK	0.46, 0.00, 0.04, 0.00
HSL	175°, 100%, 77%
HSV	175°, 46%, 100%
XYZ	62.7289, 83.5158, 99.1735
YIQ	218.8770, -66.5220, -27.9140

# Conversions

## Conversions Part 2

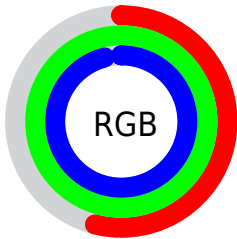
<b>Format</b>	<b>Color</b>
<b>RYB</b>	138, 199, 255
Decimal	9109493
CIELab	93.24, -35.54, -5.52
CIElCh	93, 35.964, 188.837
Yxy	83.5158, 0.2556, 0.3403
Android (android.graphics.Color)	4287299573 (0xFF8AFFF5)
YUV	218.8770, 12.8786, -70.9291
Hunter-Lab	91.3870, -37.4031, -0.3708

# Details

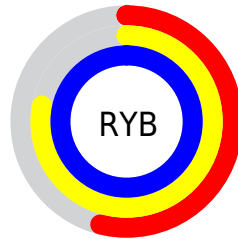
The Yxy color **83.5158, 0.2556, 0.3403** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.6035, 0.4269, 0.3189**, and the grayscale version is **70.7070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **45.6401, 0.2433, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **81.4590, 0.2471, 0.3432**, and if you desaturate by 10%, it is **86.0914, 0.2658, 0.3375**.

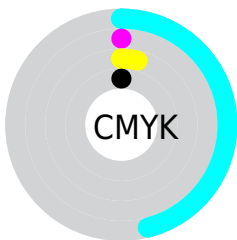
# Distribution



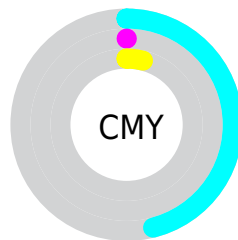
- Red (54%)
- Green (100%)
- Blue (96%)



- Red (54%)
- Yellow (78%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5158, 0.2556, 0.3403 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 83.5158, 0.2556, 0.3403 by changing the saturation by 10% instead.




 83.5158, 0.2556,  
0.3403


 83.5158, 0.2556,  
0.3403


506.7039, 0.2810,  
0.3356

 62.6158, 0.2500,  
0.3412


 138.2976, 0.2642,  
0.3388

 45.5304, 0.2433,  
0.3423


 172.9482, 0.2676,  
0.3382

 31.8754, 0.2349,  
0.3437

212.9511, 0.2706,  
0.3376

 21.2664, 0.2243,  
0.3452

258.6907, 0.2732,  
0.3371

 13.3188, 0.2104,  
0.3470

310.5514, 0.2755,  
0.3367

 7.6485, 0.1915,  
0.3492

368.9176, 0.2775,

 3.8708, 0.1646,

0.3363

434.1736, 0.2794,  
0.3359

0.3513

1.6016, 0.1166,  
0.3552

0.3587, 0.0000,  
0.3159

83.5158, 0.2556,  
0.3403

83.5158, 0.2556,  
0.3403

81.4590, 0.2471,  
0.3432

86.0914, 0.2658,  
0.3375

79.8748, 0.2405,  
0.3461

89.2086, 0.2775,  
0.3349

78.7255, 0.2359,  
0.3491

92.9008, 0.2905,  
0.3325

77.9632, 0.2333,  
0.3520

97.1958, 0.3043,  
0.3302

■ 77.5283, 0.2323,  
0.3549

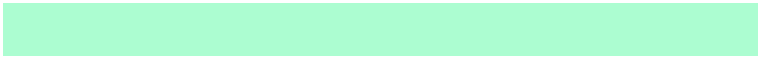
99.9976, 0.3127,  
0.3290

■ 77.4079, 0.2323,  
0.3561

# Harmonies

## Analogous

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



83.5158, 0.2884, 0.3787



83.5158, 0.2556, 0.3403



83.5158, 0.2382, 0.3013

# Triad

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



83.5158, 0.2556, 0.3403



83.5158, 0.2921, 0.2671



83.5158, 0.3912, 0.3794

# Complementary

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



83.5158, 0.2556, 0.3403



41.6035, 0.4269, 0.3189

# 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.



83.5158, 0.3934, 0.3481



83.5158, 0.2556, 0.3403



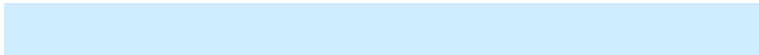
83.5158, 0.3340, 0.2859

# Square

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



83.5158, 0.2556, 0.3403



83.5158, 0.2581, 0.2623



83.5158, 0.3720, 0.3147



83.5158, 0.3671, 0.4002



# Rectangle

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



83.5158, 0.2556, 0.3403



83.5158, 0.2368, 0.2812



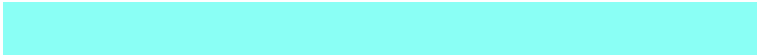
83.5158, 0.3720, 0.3147



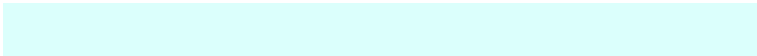
83.5158, 0.3947, 0.3697

# Sweetspot

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



83.5191, 0.2556, 0.3403



93.6510, 0.2930, 0.3320



79.8183, 0.3122, 0.4712



19.8588, 0.2900, 0.3326



0.0000, 0.0000, 0.0000

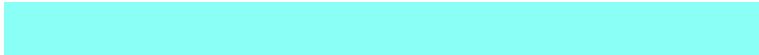


21.4041, 0.3127, 0.3290



# Same Dimension

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



83.5191, 0.2556, 0.3403



81.6172, 0.2478, 0.3429



57.8562, 0.2412, 0.2728



20.4530, 0.2992, 0.3310



40.4598, 0.2321, 0.3556



3.9470, 0.2312, 0.3523



# Inverse Universe

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



41.6035, 0.4269, 0.3189



34.9911, 0.4642, 0.3175



57.7328, 0.4134, 0.3779



18.0124, 0.3281, 0.3270



11.1474, 0.6309, 0.3249

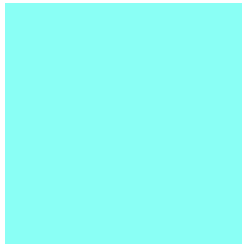


1.0936, 0.6119, 0.3145



# Previews

## White Background



This preview shows how the Yxy color 83.5158, 0.2556, 0.3403 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

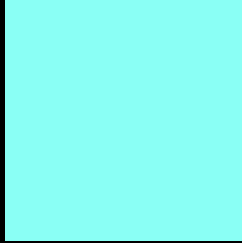
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.5158, 0.2556, 0.3403 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

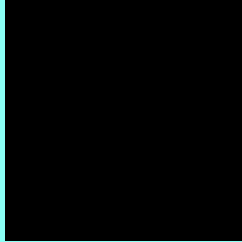
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

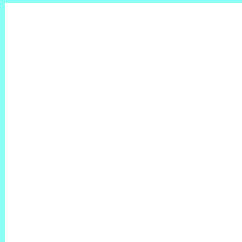
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.5158, 0.2556, 0.3403**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.5158, 0.2556, 0.3403.

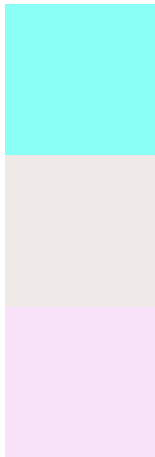


This preview shows how white text looks on a background with the Yxy color 83.5158, 0.2556, 0.3403.

# 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

83.5158, 0.2556, 0.3403

### Protanopia

82.4547, 0.3174, 0.3300

### Deuteranopia

82.0429, 0.3125, 0.3054



## Tritanopia

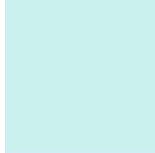
82.6586, 0.2757, 0.3161

# Trichromacy



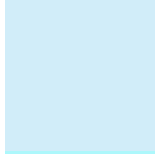
## Original Color

83.5158, 0.2556, 0.3403



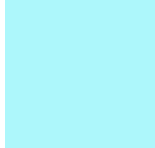
## Protanomaly

81.5816, 0.2904, 0.3333



## Deuteranomaly

80.9632, 0.2878, 0.3163



## Tritanomaly

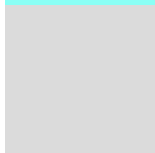
82.3708, 0.2675, 0.3245

# Monochromacy



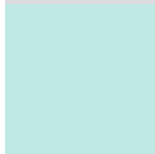
## Original Color

83.5158, 0.2556, 0.3403



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

74.2618, 0.2878, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.5158, 0.2556, 0.3403 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(138, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 245)  
}
```

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(138, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 83.5158, 0.2556, 0.3403 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(138, 255, 245) }
```

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

```
.border{ border-color:rgb(138, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.5158, 0.2556, 0.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 245) }
```

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

```
.background{ background-color: rgb(138,  
255, 245) }
```

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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