

# Converting Colors

$Yxy(83.9391, 0.2631, 0.3490)$

Have a look what the booklet for  
Yxy(83.9391, 0.2631, 0.3490)  
contains.

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# Color

**Yxy(83.9303, 0.2634, 0.3495)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94FFED
RGB	148, 255, 237
RGB Percent	58%, 100%, 93%
CMY	0.4196, 0.0000, 0.0707
CMYK	0.42, 0.00, 0.07, 0.00
HSL	170°, 100%, 79%
HSV	170°, 42%, 100%
XYZ	63.2539, 83.9303, 92.9597
YIQ	220.9550, -57.9940, -28.2820

# Conversions

## Conversions Part 2

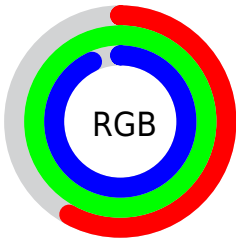
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 206, 255
Decimal	9764845
CIELab	93.42, -35.10, -1.08
CIElCh	93, 35.120, 181.757
Yxy	83.9303, 0.2634, 0.3495
Android (android.graphics.Color)	4287954925 (0xFF94FFED)
YUV	220.9550, 7.9102, -63.9815
Hunter-Lab	91.6135, -37.0795, 3.9682

# Details

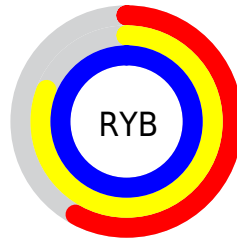
The Yxy color **83.9303, 0.2634, 0.3495** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.1938, 0.4032, 0.3103**, and the grayscale version is **72.2434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **45.8980, 0.2529, 0.3544** is the 20% darker color. If you saturate the color by 10%, you get **81.5583, 0.2549, 0.3553**, and if you desaturate by 10%, it is **86.8278, 0.2735, 0.3440**.

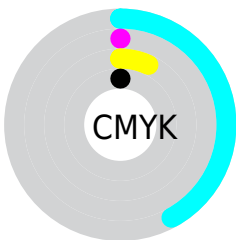
# Distribution



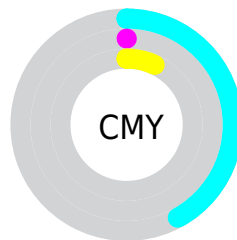
- Red (58%)
- Green (100%)
- Blue (93%)



- Red (58%)
- Yellow (81%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9303, 0.2634, 0.3495 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 83.9303, 0.2634, 0.3495 by changing the saturation by 10% instead.




 83.9303, 0.2634,  
0.3495


 83.9303, 0.2634,  
0.3495


508.0818, 0.2855,  
0.3404

 62.9579, 0.2585,  
0.3515


 138.8777, 0.2709,  
0.3464

 45.8071, 0.2526,  
0.3539


 173.6214, 0.2739,  
0.3452

 32.0937, 0.2452,  
0.3569


213.7244, 0.2765,  
0.3441

 21.4330, 0.2358,  
0.3607

259.5710, 0.2787,  
0.3432

 13.4409, 0.2234,  
0.3657

311.5457, 0.2807,  
0.3424

 7.7329, 0.2063,  
0.3725

370.0328, 0.2825,

 3.9245, 0.1815,

0.3416

435.4167, 0.2841,  
0.3410

0.3822

1.6314, 0.1361,  
0.4000

0.3786, 0.0000,  
0.4371

83.9303, 0.2634,  
0.3495

83.9303, 0.2634,  
0.3495

81.5583, 0.2549,  
0.3553

86.8278, 0.2735,  
0.3440

79.6834, 0.2482,  
0.3612

90.2889, 0.2848,  
0.3389

78.2643, 0.2434,  
0.3673

94.3404, 0.2971,  
0.3341

77.2562, 0.2406,  
0.3734

99.0096, 0.3101,  
0.3298

■ 76.6049, 0.2397,  
0.3795

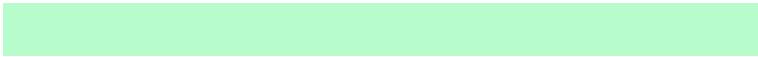
100.0000, 0.3127,  
0.3290

■ 76.2746, 0.2401,  
0.3844

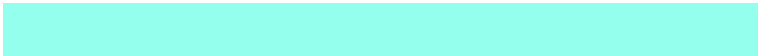
# Harmonies

## Analogous

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



83.9303, 0.2981, 0.3845



83.9303, 0.2634, 0.3495



83.9303, 0.2424, 0.3103

# Triad

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



83.9303, 0.2634, 0.3495



83.9303, 0.2838, 0.2660



83.9303, 0.3919, 0.3716

# Complementary

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



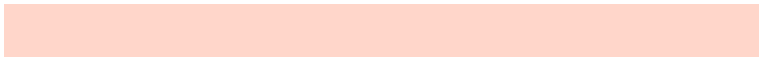
83.9303, 0.2634, 0.3495



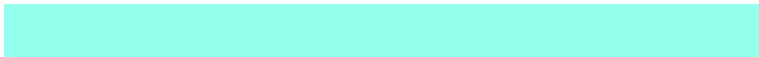
45.1938, 0.4032, 0.3103

# 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.



83.9303, 0.3884, 0.3399



83.9303, 0.2634, 0.3495



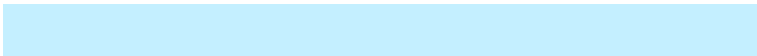
83.9303, 0.3237, 0.2815

# Square

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



83.9303, 0.2634, 0.3495



83.9303, 0.2536, 0.2650



83.9303, 0.3628, 0.3078

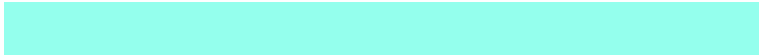


83.9303, 0.3730, 0.3951



# Rectangle

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



83.9303, 0.2634, 0.3495



83.9303, 0.2381, 0.2886



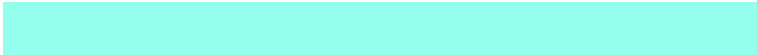
83.9303, 0.3628, 0.3078



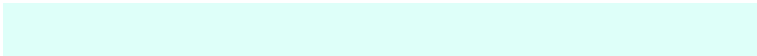
83.9303, 0.3934, 0.3616

# Sweetspot

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



83.9282, 0.2634, 0.3495



93.8913, 0.2958, 0.3346



81.9408, 0.3177, 0.4554



19.8970, 0.2930, 0.3356



0.0000, 0.0000, 0.0000

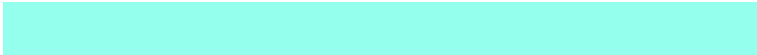


21.4041, 0.3127, 0.3290

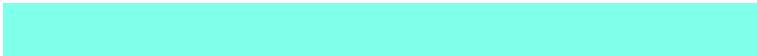


# Same Dimension

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



83.9282, 0.2634, 0.3495



81.9830, 0.2564, 0.3541



65.2901, 0.2488, 0.2893



20.4258, 0.3003, 0.3330



39.8745, 0.2398, 0.3834



3.8958, 0.2379, 0.3764



# Inverse Universe

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



45.1938, 0.4032, 0.3103



38.7378, 0.4308, 0.3072



56.8058, 0.4064, 0.3647



18.0370, 0.3268, 0.3250



11.2144, 0.6157, 0.3166

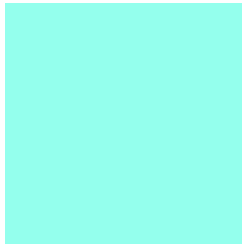


1.1052, 0.5876, 0.3011



# Previews

## White Background



This preview shows how the Yxy color 83.9303, 0.2634, 0.3495 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

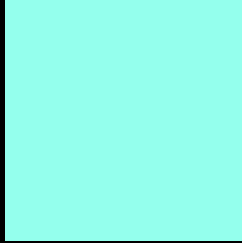
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.9303, 0.2634, 0.3495 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

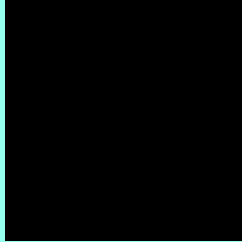
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.9303, 0.2634, 0.3495**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.9303, 0.2634, 0.3495.

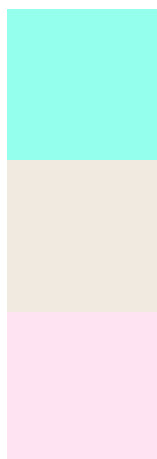


This preview shows how white text looks on a background with the Yxy color 83.9303, 0.2634, 0.3495.

# 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

83.9303, 0.2634, 0.3495

### Protanopia

82.9827, 0.3232, 0.3382

### Deuteranopia

83.0287, 0.3210, 0.3143



## Tritanopia

83.1915, 0.2779, 0.3162

# Trichromacy



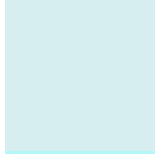
## Original Color

83.9303, 0.2634, 0.3495



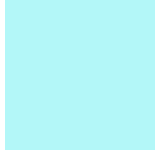
## Protanomaly

82.4268, 0.2981, 0.3430



## Deuteranomaly

81.9470, 0.2961, 0.3258



## Tritanomaly

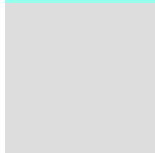
82.8825, 0.2721, 0.3278

# Monochromacy



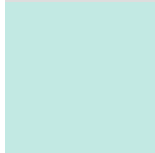
## Original Color

83.9303, 0.2634, 0.3495



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

75.2932, 0.2909, 0.3357

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.9303, 0.2634, 0.3495 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(148, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 237)  
}
```

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(148, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 83.9303, 0.2634, 0.3495 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(148, 255, 237) }
```

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

```
.border{ border-color:rgb(148, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.9303, 0.2634, 0.3495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 237) }
```

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

```
.background{ background-color: rgb(148,  
255, 237) }
```

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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