

# Converting Colors

$Yxy(82.9671, 0.2593, 0.3490)$

Have a look what the booklet for  
Yxy(82.9671, 0.2593, 0.3490)  
contains.

|   |    |
|---|----|
| <b>Yxy(83.1234, 0.2595, 0.3497)</b> ..... | 3  |
| <b>Conversions</b> .....                  | 4  |
| <b>Details</b> .....                      | 6  |
| <b>Harmonies</b> .....                    | 12 |
| <b>Previews</b> .....                     | 24 |
| <b>Color Blindness Simulation</b> .....   | 27 |
| <b>CSS Examples</b> .....                 | 30 |

# Color

**Yxy(83.1234, 0.2595, 0.3497)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 8BFFED                       |
| RGB         | 139, 255, 237                |
| RGB Percent | 55%, 100%, 93%               |
| CMY         | 0.4551, 0.0000, 0.0707       |
| CMYK        | 0.46, 0.00, 0.07, 0.00       |
| HSL         | 171°, 100%, 77%              |
| HSV         | 171°, 46%, 100%              |
| XYZ         | 61.6829, 83.1234, 92.8928    |
| YIQ         | 218.2640, -63.3580, -30.1900 |

# Conversions

## Conversions Part 2

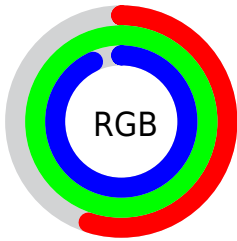
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">139, 202, 255</a>               |
| Decimal                             | <a href="#">9175021</a>                     |
| CIELab                              | <a href="#">93.07, -37.23, -1.64</a>        |
| CIELCh                              | <a href="#">93, 37.267, 182.519</a>         |
| Yxy                                 | <a href="#">83.1234, 0.2595, 0.3497</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4287365101<br/>(0xFF8BFFED)</a> |
| YUV                                 | <a href="#">218.2640, 9.2368, -69.5145</a>  |
| Hunter-Lab                          | <a href="#">91.1720, -38.7859, 3.4114</a>   |

# Details

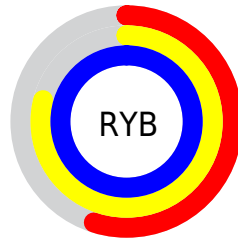
The Yxy color **83.1234, 0.2595, 0.3497** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.1427, 0.4166, 0.3105**, and the grayscale version is **70.2558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **45.3866, 0.2482, 0.3547** is the 20% darker color. If you saturate the color by 10%, you get **80.9443, 0.2515, 0.3550**, and if you desaturate by 10%, it is **85.8069, 0.2692, 0.3446**.

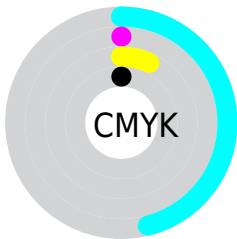
# Distribution



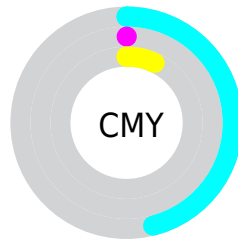
- Red (55%)
- Green (100%)
- Blue (93%)



- Red (55%)
- Yellow (79%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (46%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1234, 0.2595, 0.3497 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 83.1234, 0.2595, 0.3497 by changing the saturation by 10% instead.



 83.1234, 0.2595,  
0.3497


 83.1234, 0.2595,  
0.3497


505.3977, 0.2833,  
0.3405

 62.2920, 0.2542,  
0.3517


 137.7483, 0.2676,  
0.3466

 45.2686, 0.2478,  
0.3541


 172.3105, 0.2708,  
0.3454

 31.6691, 0.2399,  
0.3571


212.2184, 0.2736,  
0.3443

 21.1089, 0.2297,  
0.3609

257.8565, 0.2760,  
0.3434

 13.2036, 0.2164,  
0.3658

309.6090, 0.2782,  
0.3425

 7.5689, 0.1980,  
0.3724


367.8605, 0.2801,


 3.8204, 0.1715,


0.3418


432.9953, 0.2818,  
0.3411

0.3818


 1.5736, 0.1187,  
0.4007


 0.3397, 0.0000,  
0.4122


 83.1234, 0.2595,  
0.3497


 83.1234, 0.2595,  
0.3497


 80.9443, 0.2515,  
0.3550

 85.8069, 0.2692,  
0.3446


 79.2521, 0.2454,  
0.3606

 89.0463, 0.2802,  
0.3397

 77.9998, 0.2412,  
0.3662

 92.8651, 0.2924,  
0.3352

 77.1397, 0.2390,  
0.3718

 97.2913, 0.3053,  
0.3311

■ 76.6128, 0.2386,  
0.3773

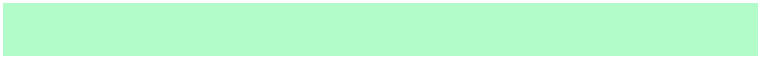
100.0000, 0.3127,  
0.3290

■ 76.4465, 0.2388,  
0.3798

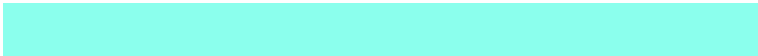
# Harmonies

## Analogous

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



83.1234, 0.2960, 0.3876



83.1234, 0.2595, 0.3497



83.1234, 0.2378, 0.3079

# Triad

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



83.1234, 0.2595, 0.3497



83.1234, 0.2829, 0.2626



83.1234, 0.3968, 0.3748

# Complementary

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



83.1234, 0.2595, 0.3497



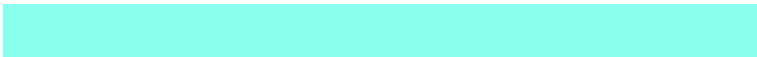
42.1427, 0.4166, 0.3105

# 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.



83.1234, 0.3938, 0.3412



83.1234, 0.2595, 0.3497



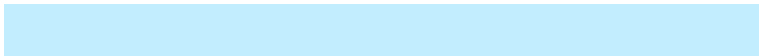
83.1234, 0.3254, 0.2792

# Square

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



83.1234, 0.2595, 0.3497



83.1234, 0.2506, 0.2609



83.1234, 0.3670, 0.3072



83.1234, 0.3759, 0.3996



# Rectangle

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



83.1234, 0.2595, 0.3497



83.1234, 0.2337, 0.2851



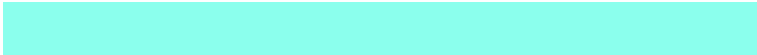
83.1234, 0.3670, 0.3072



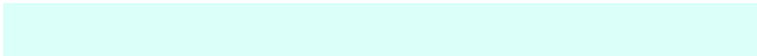
83.1234, 0.3986, 0.3641

# Sweetspot

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



83.1171, 0.2595, 0.3497



93.4946, 0.2943, 0.3346



80.6808, 0.3166, 0.4681



19.8203, 0.2916, 0.3355



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

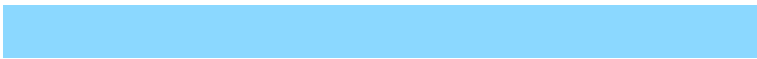
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1171, 0.2595, 0.3497



81.0435, 0.2519, 0.3548



61.9776, 0.2434, 0.2829



20.4301, 0.3001, 0.3327



39.9632, 0.2386, 0.3788



3.9036, 0.2368, 0.3725



# Inverse Universe

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



42.1427, 0.4166, 0.3105



35.2573, 0.4520, 0.3075



54.8162, 0.4164, 0.3697



18.0331, 0.3270, 0.3253



11.2010, 0.6187, 0.3182

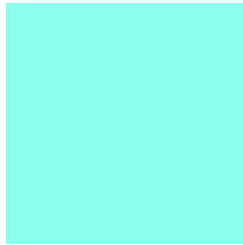


1.1033, 0.5914, 0.3031



# Previews

## White Background



This preview shows how the Yxy color 83.1234, 0.2595, 0.3497 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

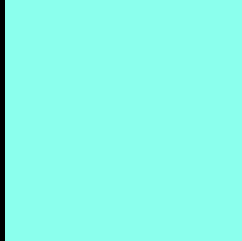
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.1234, 0.2595, 0.3497 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 83.1234, 0.2595, 0.3497**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.1234, 0.2595, 0.3497.

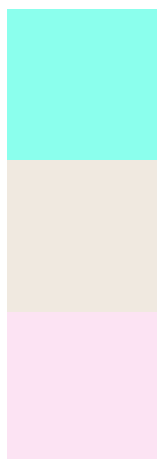


This preview shows how white text looks on a background with the Yxy color 83.1234, 0.2595, 0.3497.

# 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

83.1234, 0.2595, 0.3497

### Protanopia

82.1849, 0.3232, 0.3383

### Deuteranopia

82.1047, 0.3197, 0.3132



## Tritanopia

82.5277, 0.2751, 0.3161

# Trichromacy



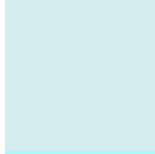
## Original Color

83.1234, 0.2595, 0.3497



## Protanomaly

81.2642, 0.2956, 0.3420



## Deuteranomaly

80.7681, 0.2936, 0.3247



## Tritanomaly

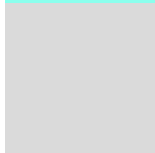
82.1831, 0.2690, 0.3278

# Monochromacy



## Original Color

83.1234, 0.2595, 0.3497



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

73.4069, 0.2889, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  83.1234, 0.2595, 0.3497 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(139, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(139, 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(139, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 255, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 83.1234, 0.2595, 0.3497 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(139, 255, 237) }
```

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

```
.border{ border-color:rgb(139, 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(139, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(139, 255,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.1234, 0.2595, 0.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 255, 237) }
```

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

```
.background{ background-color: rgb(139,  
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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