

# Converting Colors

$Y_{xy}(85.3202, 0.2588, 0.3322)$

Have a look what the booklet for  
Yxy(85.3202, 0.2588, 0.3322)  
contains.

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# Color

**Yxy(85.3206, 0.2588, 0.3322)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FFFC
RGB	153, 255, 252
RGB Percent	60%, 100%, 99%
CMY	0.3999, 0.0000, 0.0118
CMYK	0.40, 0.00, 0.01, 0.00
HSL	178°, 100%, 80%
HSV	178°, 40%, 100%
XYZ	66.4689, 85.3206, 105.0455
YIQ	224.1600, -59.8290, -22.5570

# Conversions

## Conversions Part 2

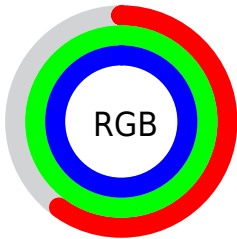
Format	Color
<a href="#">RYB</a>	<a href="#">153, 205, 255</a>
Decimal	<a href="#">10092540</a>
CIELab	<a href="#">94.02, -30.42, -7.93</a>
CIElCh	<a href="#">94, 31.436, 194.613</a>
Yxy	<a href="#">85.3206, 0.2588, 0.3322</a>
Android (android.graphics.Color)	<a href="#">4288282620 (0xFF99FFFC)</a>
YUV	<a href="#">224.1600, 13.7251, -62.4073</a>
Hunter-Lab	<a href="#">92.3692, -33.1973, -2.7683</a>

# Details

The Yxy color **85.3206, 0.2588, 0.3322** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.4543, 0.4117, 0.3261**, and the grayscale version is **74.5985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **46.7612, 0.2477, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **83.0524, 0.2488, 0.3331**, and if you desaturate by 10%, it is **88.1230, 0.2704, 0.3313**.

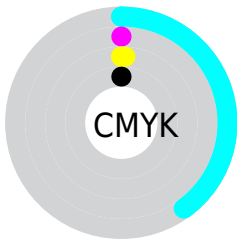
# Distribution



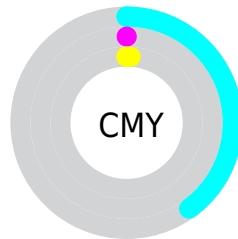
- Red (60%)
- Green (100%)
- Blue (99%)



- Red (60%)
- Yellow (80%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3206, 0.2588, 0.3322 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 85.3206, 0.2588, 0.3322 by changing the saturation by 10% instead.




 85.3206, 0.2588,  
0.3322

 85.3206, 0.2588,  
0.3322

512.6883, 0.2827,  
0.3312

 64.1063, 0.2536,  
0.3323

 140.8210, 0.2669,  
0.3320

 46.7368, 0.2473,  
0.3324


 175.8759, 0.2701,  
0.3318

 32.8276, 0.2395,  
0.3324


216.3132, 0.2729,  
0.3317

 21.9944, 0.2297,  
0.3323

262.5172, 0.2753,  
0.3316

 13.8528, 0.2168,  
0.3320

314.8723, 0.2775,  
0.3315

 8.0184, 0.1994,  
0.3311


373.7629, 0.2794,


 4.1067, 0.1747,


0.3314


439.5735, 0.2811,  
0.3313


0.3289


 1.7334, 0.1367,  
0.3233


 0.4452, 0.0000,  
0.2995


 85.3206, 0.2588,  
0.3322


 85.3206, 0.2588,  
0.3322


 83.0524, 0.2488,  
0.3331


 88.1230, 0.2704,  
0.3313

 81.2785, 0.2408,  
0.3341


 91.4849, 0.2835,  
0.3305

 79.9629, 0.2346,  
0.3351

 95.4370, 0.2977,  
0.3297

 79.0620, 0.2305,  
0.3360

100.0000, 0.3127,  
0.3290

 78.5239, 0.2281,  
0.3370

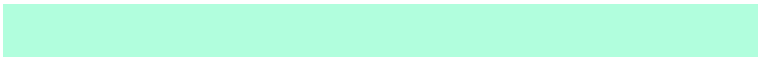
 78.2639, 0.2272,  
0.3380

 78.2636, 0.2272,  
0.3380

# Harmonies

## Analogous

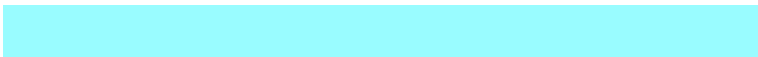
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3206, 0.2855, 0.3662



85.3206, 0.2588, 0.3322



85.3206, 0.2464, 0.2997

# Triad

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



85.3206, 0.2588, 0.3322



85.3206, 0.3017, 0.2769



85.3206, 0.3783, 0.3777

# Complementary

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



85.3206, 0.2588, 0.3322



46.4543, 0.4117, 0.3261

# 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.



85.3206, 0.3840, 0.3518



85.3206, 0.2588, 0.3322



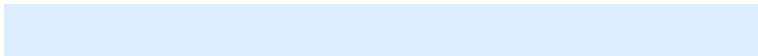
85.3206, 0.3383, 0.2956

# Square

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



85.3206, 0.2588, 0.3322



85.3206, 0.2700, 0.2703



85.3206, 0.3691, 0.3222

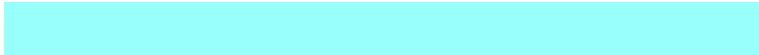


85.3206, 0.3546, 0.3924



# Rectangle

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



85.3206, 0.2588, 0.3322



85.3206, 0.2472, 0.2836



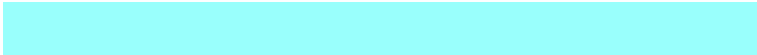
85.3206, 0.3691, 0.3222



85.3206, 0.3825, 0.3699

# Sweetspot

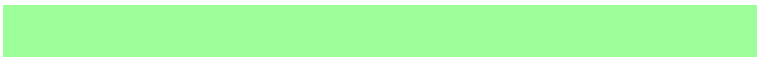
The Sweet Spot groups the original color and five complimentary colors.



85.3225, 0.2588, 0.3322



94.5931, 0.2948, 0.3299



80.9318, 0.3088, 0.4519



20.1324, 0.2929, 0.3300



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.



85.3225, 0.2588, 0.3322



83.4630, 0.2507, 0.3329



58.8219, 0.2487, 0.2729



20.4716, 0.2984, 0.3297



40.8986, 0.2272, 0.3378



3.9850, 0.2269, 0.3367



# Inverse Universe

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



46.4543, 0.4117, 0.3261



39.7096, 0.4431, 0.3257



65.1555, 0.3939, 0.3786



17.9958, 0.3290, 0.3283



11.1212, 0.6371, 0.3283

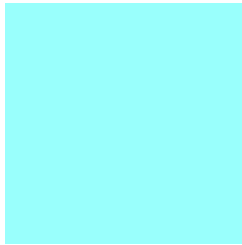


1.0858, 0.6300, 0.3244



# Previews

## White Background



This preview shows how the Yxy color 85.3206, 0.2588, 0.3322 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

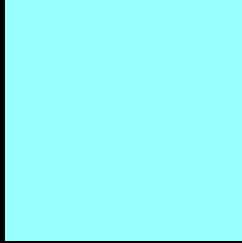
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.3206, 0.2588, 0.3322 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

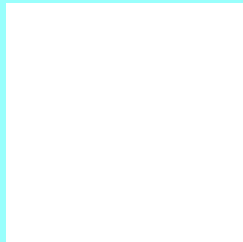
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.3206, 0.2588, 0.3322**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.3206, 0.2588, 0.3322.

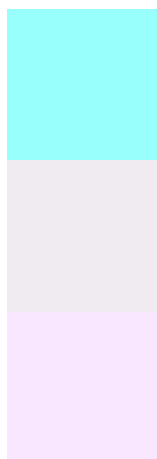


This preview shows how white text looks on a background with the Yxy color 85.3206, 0.2588, 0.3322.

# 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

85.3206, 0.2588, 0.3322

### Protanopia

84.2332, 0.3130, 0.3240

### Deuteranopia

84.5116, 0.3098, 0.3055



## Tritanopia

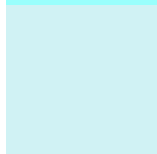
84.6179, 0.2814, 0.3174

# Trichromacy



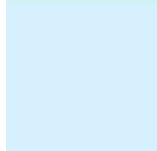
## Original Color

85.3206, 0.2588, 0.3322



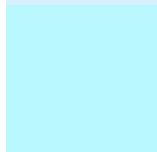
## Protanomaly

83.4458, 0.2902, 0.3268



## Deuteranomaly

83.7721, 0.2882, 0.3144



## Tritanomaly

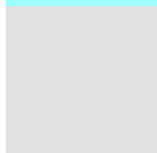
84.6048, 0.2724, 0.3224

# Monochromacy



## Original Color

85.3206, 0.2588, 0.3322



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

77.3629, 0.2894, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.3206, 0.2588, 0.3322 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(153, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 252)  
}
```

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(153, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 85.3206, 0.2588, 0.3322 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(153, 255, 252) }
```

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

```
.border{ border-color:rgb(153, 255, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.3206, 0.2588, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 252) }
```

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

```
.background{ background-color: rgb(153,  
255, 252) }
```

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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