

# Converting Colors

$Yxy(85.5105, 0.2699, 0.3477)$

Have a look what the booklet for  
Yxy(85.5105, 0.2699, 0.3477)  
contains.

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# Color

**Yxy(85.4796, 0.2699, 0.3479)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3FFEE
RGB	163, 255, 238
RGB Percent	64%, 100%, 93%
CMY	0.3604, 0.0001, 0.0666
CMYK	0.36, 0.00, 0.07, 0.00
HSL	169°, 100%, 82%
HSV	169°, 36%, 100%
XYZ	66.3149, 85.4796, 93.9072
YIQ	225.5540, -49.3750, -24.7910

# Conversions

## Conversions Part 2

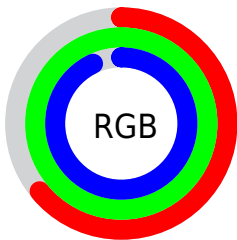
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 214, 255
Decimal	10747886
CIELab	94.09, -31.06, -0.57
CIELCh	94, 31.062, 181.043
Yxy	85.4796, 0.2699, 0.3479
Android (android.graphics.Color)	4288937966 (0xFFA3FFEE)
YUV	225.5540, 6.1359, -54.8599
Hunter-Lab	92.4552, -33.7647, 4.4975

# Details

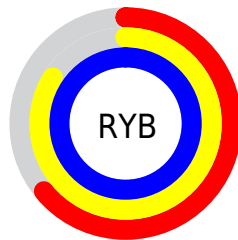
The Yxy color **85.4796, 0.2699, 0.3479** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.7881, 0.3838, 0.3114**, and the grayscale version is **75.7153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **46.8914, 0.2608, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **82.7819, 0.2606, 0.3541**, and if you desaturate by 10%, it is **88.7341, 0.2806, 0.3421**.

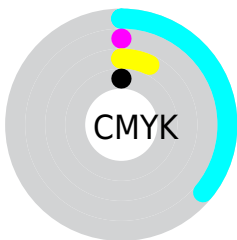
# Distribution



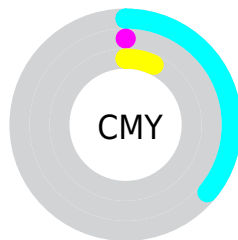
- Red (64%)
- Green (100%)
- Blue (93%)



- Red (64%)
- Yellow (84%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4796, 0.2699, 0.3479 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 85.4796, 0.2699, 0.3479 by changing the saturation by 10% instead.





 85.4796, 0.2699,  
0.3479


 85.4796, 0.2699,  
0.3479


513.2137, 0.2891,  
0.3395

 64.2377, 0.2657,  
0.3497


 141.0431, 0.2764,  
0.3450

 46.8433, 0.2605,  
0.3520


 176.1334, 0.2790,  
0.3439

 32.9118, 0.2541,  
0.3548


216.6088, 0.2812,  
0.3429

 22.0589, 0.2460,  
0.3583

262.8535, 0.2832,  
0.3421

 13.9002, 0.2352,  
0.3630

315.2519, 0.2849,  
0.3413

 8.0513, 0.2204,  
0.3694


374.1885, 0.2864,


 4.1278, 0.1987,


0.3406


0.3787


440.0476, 0.2878,  
0.3400


 1.7453, 0.1634,  
0.3937


 0.4527, 0.0000,  
0.4595


 85.4796, 0.2699,  
0.3479


 85.4796, 0.2699,  
0.3479


 82.7819, 0.2606,  
0.3541


 88.7341, 0.2806,  
0.3421

 80.5979, 0.2529,  
0.3605

 92.5652, 0.2924,  
0.3367

 78.8946, 0.2471,  
0.3672

 97.0043, 0.3049,  
0.3318

 77.6309, 0.2432,  
0.3739

99.9909, 0.3127,  
0.3290

■ 76.7586, 0.2414,  
0.3807

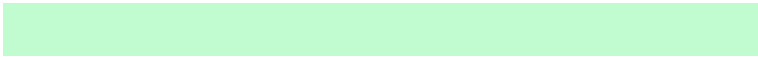
■ 76.2179, 0.2414,  
0.3874

■ 76.0602, 0.2417,  
0.3901

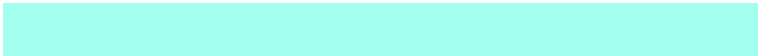
# Harmonies

## Analogous

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



85.4796, 0.3009, 0.3779



85.4796, 0.2699, 0.3479



85.4796, 0.2508, 0.3137

# Triad

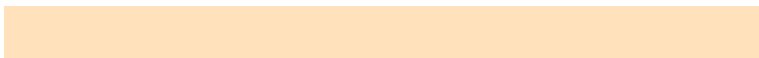
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4796, 0.2699, 0.3479



85.4796, 0.2866, 0.2729



85.4796, 0.3825, 0.3665

# Complementary

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



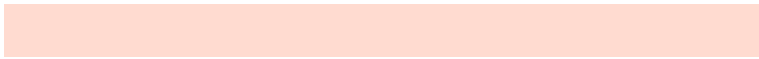
85.4796, 0.2699, 0.3479



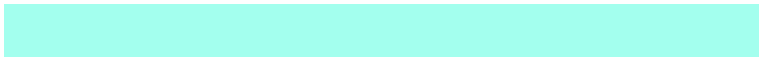
50.7881, 0.3838, 0.3114

# 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.



85.4796, 0.3788, 0.3384



85.4796, 0.2699, 0.3479



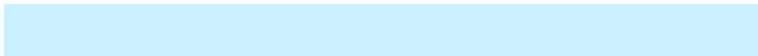
85.4796, 0.3217, 0.2864

# Square

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



85.4796, 0.2699, 0.3479



85.4796, 0.2600, 0.2725



85.4796, 0.3560, 0.3097

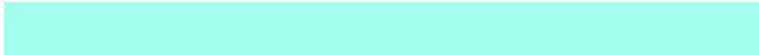


85.4796, 0.3665, 0.3870



# Rectangle

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



85.4796, 0.2699, 0.3479



85.4796, 0.2466, 0.2943



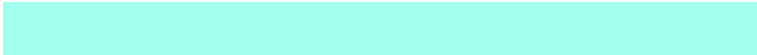
85.4796, 0.3560, 0.3097



85.4796, 0.3836, 0.3576

# Sweetspot

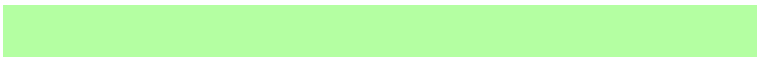
The Sweet Spot groups the original color and five complimentary colors.



85.4830, 0.2699, 0.3479



94.7336, 0.2986, 0.3342



84.0414, 0.3185, 0.4348



20.1492, 0.2969, 0.3348



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

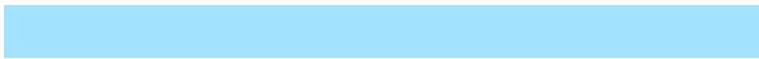
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4830, 0.2699, 0.3479



83.5555, 0.2632, 0.3522



70.1864, 0.2576, 0.2975



20.4205, 0.3005, 0.3334



39.7689, 0.2414, 0.3889



3.8864, 0.2393, 0.3813



# Inverse Universe

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



50.7881, 0.3838, 0.3114



44.3563, 0.4046, 0.3080



61.0237, 0.3897, 0.3581



18.0419, 0.3265, 0.3246



11.2320, 0.6119, 0.3145

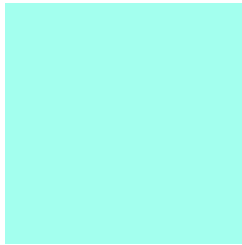


1.1076, 0.5829, 0.2985



# Previews

## White Background



This preview shows how the Yxy color 85.4796, 0.2699, 0.3479 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

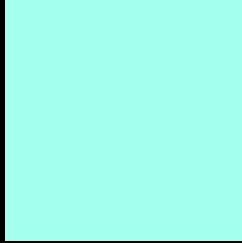
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4796, 0.2699, 0.3479 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

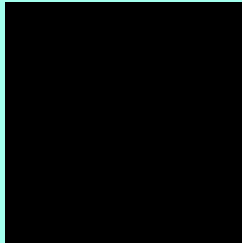
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

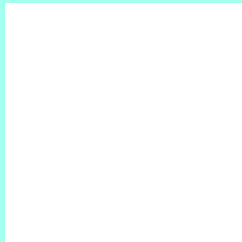
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.4796, 0.2699, 0.3479**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4796, 0.2699, 0.3479.

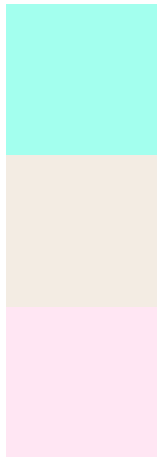


This preview shows how white text looks on a background with the Yxy color 85.4796, 0.2699, 0.3479.

# 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

85.4796, 0.2699, 0.3479

### Protanopia

84.5916, 0.3231, 0.3382

### Deuteranopia

84.3247, 0.3215, 0.3163



## Tritanopia

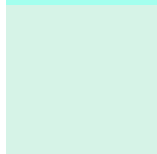
85.0432, 0.2831, 0.3174

# Trichromacy



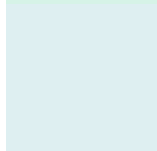
## Original Color

85.4796, 0.2699, 0.3479



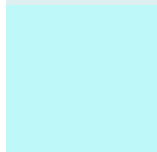
## Protanomaly

84.1668, 0.3013, 0.3417



## Deuteranomaly

83.6135, 0.3005, 0.3269



## Tritanomaly

84.9215, 0.2776, 0.3278

# Monochromacy



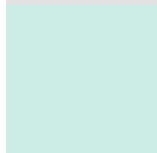
## Original Color

85.4796, 0.2699, 0.3479



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

78.9781, 0.2949, 0.3366

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4796, 0.2699, 0.3479 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(163, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 238)  
}
```

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(163, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4796, 0.2699, 0.3479 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(163, 255, 238) }
```

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

```
.border{ border-color:rgb(163, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4796, 0.2699, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 238) }
```

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

```
.background{ background-color: rgb(163,  
255, 238) }
```

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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