

# Converting Colors

$Yxy(86.0322, 0.2756, 0.3483)$

Have a look what the booklet for  
Yxy(86.0322, 0.2756, 0.3483)  
contains.

<b>Yxy(85.8823, 0.2752, 0.3478)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(85.8823, 0.2752, 0.3478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADFEED
RGB	173, 254, 237
RGB Percent	68%, 100%, 93%
CMY	0.3216, 0.0039, 0.0707
CMYK	0.32, 0.00, 0.07, 0.00
HSL	167°, 98%, 84%
HSV	167°, 32%, 100%
XYZ	67.9552, 85.8823, 93.0927
YIQ	227.8430, -42.8190, -22.4590

# Conversions

## Conversions Part 2

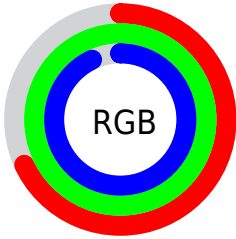
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	173, 218, 254
Decimal	11402989
CIE Lab	94.26, -28.17, 0.28
CIE LCh	94, 28.176, 179.422
Yxy	85.8823, 0.2752, 0.3478
Android (android.graphics.Color)	4289593069 (0xFFADFEED)
YUV	227.8430, 4.5144, -48.0973
Hunter-Lab	92.6727, -31.2865, 5.3122

# Details

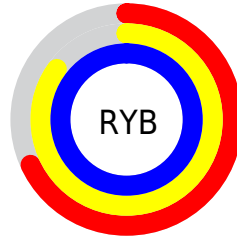
The Yxy color **85.8823, 0.2752, 0.3478** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.6736, 0.3707, 0.3113**, and the grayscale version is **77.4508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **47.1203, 0.2674, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **82.9528, 0.2655, 0.3547**, and if you desaturate by 10%, it is **89.3785, 0.2861, 0.3413**.

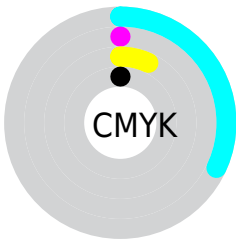
# Distribution



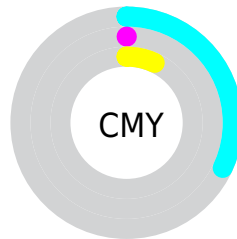
- Red (68%)
- Green (100%)
- Blue (93%)



- Red (68%)
- Yellow (85%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8823, 0.2752, 0.3478 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 85.8823, 0.2752, 0.3478 by changing the saturation by 10% instead.




 85.8823, 0.2752,  
0.3478

 85.8823, 0.2752,  
0.3478


514.5430, 0.2920,  
0.3394

 64.5707, 0.2715,  
0.3497


 141.6052, 0.2809,  
0.3449

 47.1130, 0.2670,  
0.3519


176.7853, 0.2832,  
0.3438

 33.1250, 0.2613,  
0.3548


217.3570, 0.2851,  
0.3428

 22.2222, 0.2541,  
0.3584

263.7046, 0.2869,  
0.3420

 14.0203, 0.2446,  
0.3632

316.2127, 0.2884,  
0.3412

 8.1348, 0.2314,  
0.3698

375.2655, 0.2897,

 4.1813, 0.2121,

0.3405

0.3796

441.2475, 0.2909,  
0.3399

■ 1.7755, 0.1810,  
0.3954

■ 0.4718, 0.0000,  
0.4886

■ 85.8823, 0.2752,  
0.3478

■ 85.8823, 0.2752,  
0.3478

■ 82.9528, 0.2655,  
0.3547

■ 89.3785, 0.2861,  
0.3413

■ 80.5482, 0.2574,  
0.3620


■ 93.4598, 0.2979,  
0.3354


■ 78.6374, 0.2510,  
0.3696

■ 98.1566, 0.3103,  
0.3300

■ 77.1818, 0.2465,  
0.3774

■ 99.3703, 0.3128,  
0.3281

 76.1370, 0.2440,  
0.3852

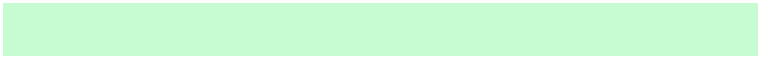
 75.4491, 0.2435,  
0.3929

 75.0882, 0.2442,  
0.3992

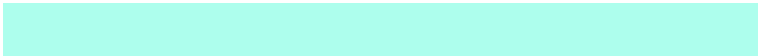
# Harmonies

## Analogous

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



85.8823, 0.3039, 0.3741



85.8823, 0.2752, 0.3478



85.8823, 0.2570, 0.3169

# Triad

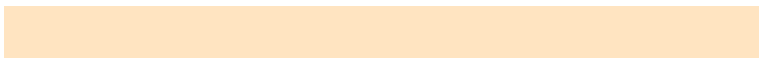
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8823, 0.2752, 0.3478



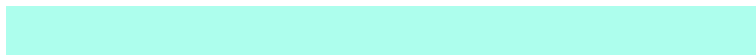
85.8823, 0.2875, 0.2775



85.8823, 0.3762, 0.3621

# Complementary

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



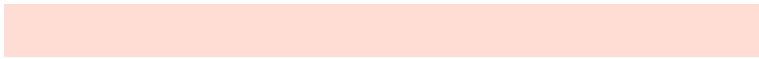
85.8823, 0.2752, 0.3478



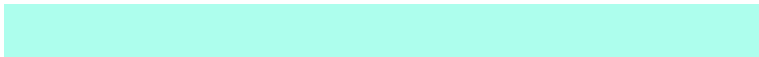
54.6736, 0.3707, 0.3113

# 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.



85.8823, 0.3718, 0.3363



85.8823, 0.2752, 0.3478



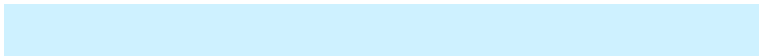
85.8823, 0.3192, 0.2892

# Square

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



85.8823, 0.2752, 0.3478



85.8823, 0.2638, 0.2780



85.8823, 0.3505, 0.3102

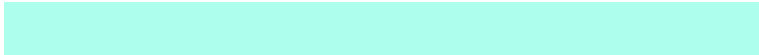


85.8823, 0.3627, 0.3809



# Rectangle

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



85.8823, 0.2752, 0.3478



85.8823, 0.2526, 0.2990



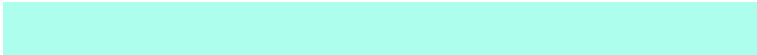
85.8823, 0.3505, 0.3102



85.8823, 0.3768, 0.3539

# Sweetspot

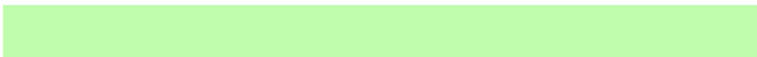
The Sweet Spot groups the original color and five complimentary colors.



85.8858, 0.2752, 0.3478



95.1398, 0.3002, 0.3343



84.9240, 0.3189, 0.4208



20.2285, 0.2985, 0.3351



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

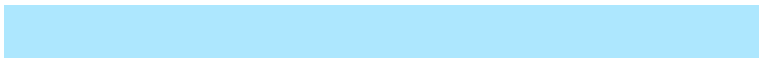
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8858, 0.2752, 0.3478



84.7756, 0.2691, 0.3520



73.2211, 0.2638, 0.3032



20.4122, 0.3008, 0.3340



39.6061, 0.2439, 0.3979



3.8719, 0.2414, 0.3891



# Inverse Universe

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



54.6736, 0.3707, 0.3113



48.9814, 0.3869, 0.3078



63.5437, 0.3788, 0.3532



18.0496, 0.3261, 0.3240



11.2635, 0.6052, 0.3108

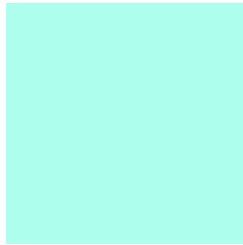


1.1117, 0.5750, 0.2941



# Previews

## White Background



This preview shows how the Yxy color 85.8823, 0.2752, 0.3478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

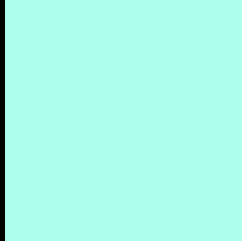
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.8823, 0.2752, 0.3478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

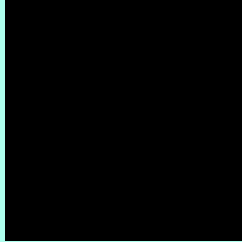
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.8823, 0.2752, 0.3478**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.8823, 0.2752, 0.3478.

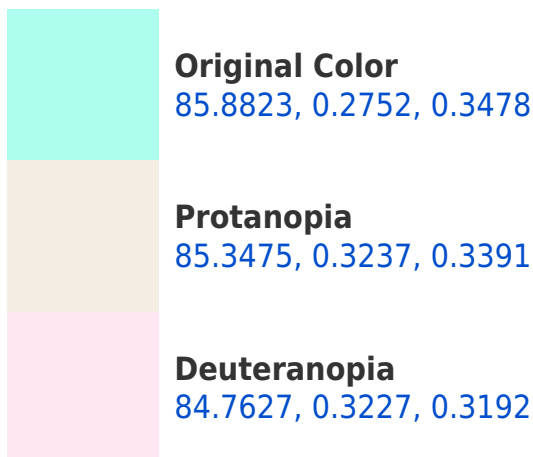


This preview shows how white text looks on a background with the Yxy color 85.8823, 0.2752, 0.3478.

# 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





## Tritanopia

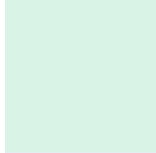
85.4767, 0.2849, 0.3175

# Trichromacy



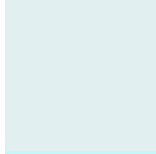
## Original Color

85.8823, 0.2752, 0.3478



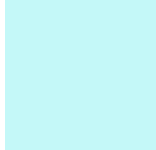
## Protanomaly

84.7761, 0.3038, 0.3416



## Deuteranomaly

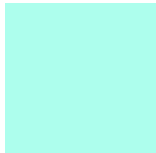
84.0318, 0.3030, 0.3279



## Tritanomaly

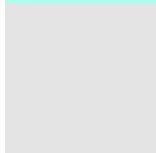
85.6479, 0.2814, 0.3289

# Monochromacy



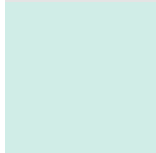
## Original Color

85.8823, 0.2752, 0.3478



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

79.7478, 0.2975, 0.3354

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.8823, 0.2752, 0.3478 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(173, 254, 237)` looks like.

```
.text, #text, p{  
    color:rgb(173, 254, 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(173, 254, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 254, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 85.8823, 0.2752, 0.3478 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(173, 254, 237) }
```

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

```
.border{ border-color:rgb(173, 254, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 254, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 254, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 254, 237);  
box-shadow:4px 4px 4px 4px rgb(173, 254,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.8823, 0.2752, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 254, 237) }
```

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

```
.background{ background-color: rgb(173,  
254, 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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