

# Converting Colors

$Yxy(85.7058, 0.2743, 0.3530)$

Have a look what the booklet for  
Yxy(85.7058, 0.2743, 0.3530)  
contains.

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# Color

**Yxy(85.7280, 0.2747, 0.3536)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8FFE9
RGB	168, 255, 233
RGB Percent	66%, 100%, 91%
CMY	0.3415, 0.0000, 0.0863
CMYK	0.34, 0.00, 0.09, 0.00
HSL	165°, 100%, 83%
HSV	165°, 34%, 100%
XYZ	66.5992, 85.7280, 90.1162
YIQ	226.4790, -44.7900, -25.2860

# Conversions

## Conversions Part 2

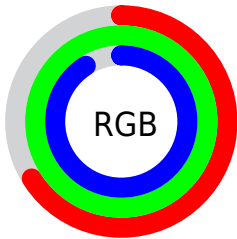
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 218, 255
Decimal	11075561
CIELab	94.20, -30.88, 2.22
CIELCh	94, 30.962, 175.897
Yxy	85.7280, 0.2747, 0.3536
Android (android.graphics.Color)	4289265641 (0xFFA8FFE9)
YUV	226.4790, 3.2149, -51.2861
Hunter-Lab	92.5894, -33.6371, 7.1063

# Details

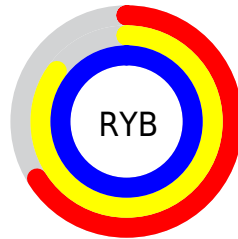
The Yxy color **85.7280, 0.2747, 0.3536** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.9445, 0.3730, 0.3061**, and the grayscale version is **76.3952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **47.0072, 0.2664, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **82.8274, 0.2657, 0.3621**, and if you desaturate by 10%, it is **89.1683, 0.2849, 0.3456**.

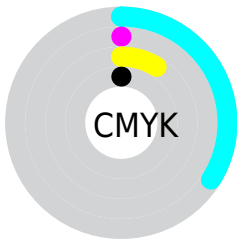
# Distribution



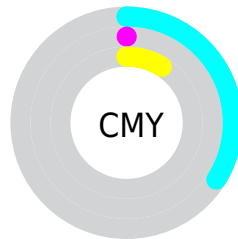
- Red (66%)
- Green (100%)
- Blue (91%)



- Red (66%)
- Yellow (85%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.7280, 0.2747, 0.3536 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 85.7280, 0.2747, 0.3536 by changing the saturation by 10% instead.



 85.7280, 0.2747,  
0.3536

 85.7280, 0.2747,  
0.3536

514.0339, 0.2918,  
0.3425

 64.4431, 0.2709,  
0.3561


 141.3899, 0.2805,  
0.3498

 47.0096, 0.2663,  
0.3591


176.5356, 0.2828,  
0.3483

 33.0433, 0.2605,  
0.3630


217.0704, 0.2848,  
0.3470

 22.1596, 0.2531,  
0.3679

263.3786, 0.2866,  
0.3459

 13.9742, 0.2434,  
0.3745

315.8447, 0.2881,  
0.3449

 8.1027, 0.2298,  
0.3837

374.8530, 0.2895,

 4.1608, 0.2097,

0.3440

0.3976

440.7879, 0.2907,  
0.3432

■ 1.7639, 0.1766,  
0.4210

■ 0.4645, 0.0000,  
0.5697

■ 85.7280, 0.2747,  
0.3536

■ 85.7280, 0.2747,  
0.3536

■ 82.8274, 0.2657,  
0.3621

■ 89.1683, 0.2849,  
0.3456

■ 80.4677, 0.2583,  
0.3711

■ 93.2116, 0.2960,  
0.3383

■ 78.6020, 0.2527,  
0.3804

■ 97.8744, 0.3077,  
0.3316

■ 77.1900, 0.2490,  
0.3900

100.0000, 0.3127,  
0.3290

■ 76.1851, 0.2474,  
0.3995

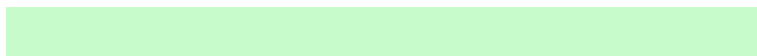
■ 75.5300, 0.2476,  
0.4090

■ 75.2617, 0.2485,  
0.4145

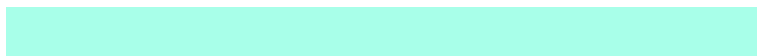
# Harmonies

## Analogous

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



85.7280, 0.3070, 0.3815



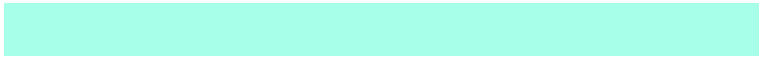
85.7280, 0.2747, 0.3536



85.7280, 0.2532, 0.3194

# Triad

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



85.7280, 0.2747, 0.3536



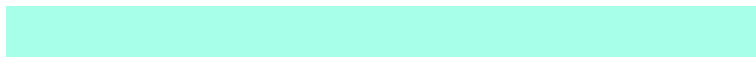
85.7280, 0.2813, 0.2721



85.7280, 0.3831, 0.3619

# Complementary

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



85.7280, 0.2747, 0.3536



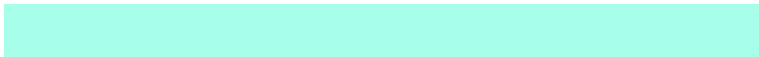
52.9445, 0.3730, 0.3061

# 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.



85.7280, 0.3759, 0.3333



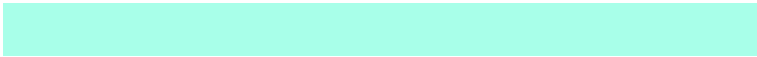
85.7280, 0.2747, 0.3536



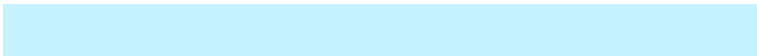
85.7280, 0.3154, 0.2834

# Square

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



85.7280, 0.2747, 0.3536



85.7280, 0.2569, 0.2741



85.7280, 0.3505, 0.3053

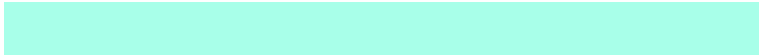


85.7280, 0.3702, 0.3841



# Rectangle

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



85.7280, 0.2747, 0.3536



85.7280, 0.2472, 0.2990



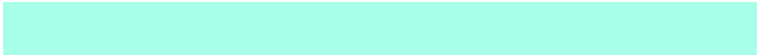
85.7280, 0.3505, 0.3053



85.7280, 0.3829, 0.3527

# Sweetspot

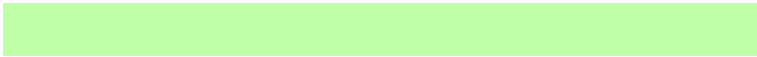
The Sweet Spot groups the original color and five complimentary colors.



85.7169, 0.2747, 0.3536



95.0722, 0.3008, 0.3354



85.4369, 0.3219, 0.4275



20.2121, 0.2992, 0.3364



0.0000, 0.0000, 0.0000

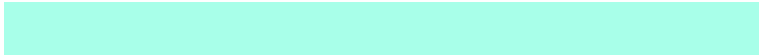


21.4041, 0.3127, 0.3290

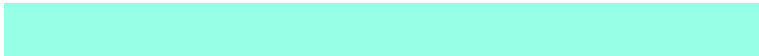


# Same Dimension

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



85.7169, 0.2747, 0.3536



83.6802, 0.2684, 0.3594



74.7668, 0.2612, 0.3061



20.3984, 0.3014, 0.3351



39.3512, 0.2481, 0.4130



3.8491, 0.2451, 0.4022



# Inverse Universe

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



52.9445, 0.3730, 0.3061



46.3860, 0.3909, 0.3015



60.1473, 0.3866, 0.3505



18.0624, 0.3254, 0.3230



11.3250, 0.5927, 0.3039

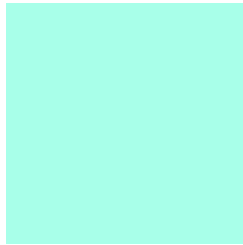


1.1194, 0.5612, 0.2865



# Previews

## White Background



This preview shows how the Yxy color 85.7280, 0.2747, 0.3536 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

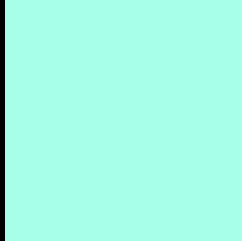
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.7280, 0.2747, 0.3536 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

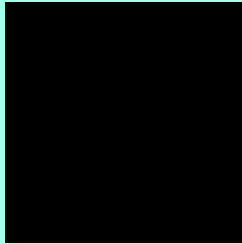
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

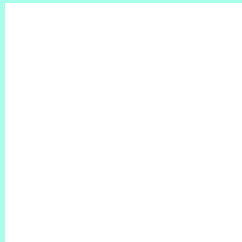
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.7280, 0.2747, 0.3536**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.7280, 0.2747, 0.3536.

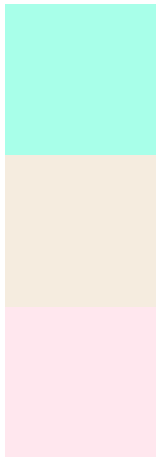


This preview shows how white text looks on a background with the Yxy color 85.7280, 0.2747, 0.3536.

# 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

85.7280, 0.2747, 0.3536

### Protanopia

84.7311, 0.3270, 0.3422

### Deuteranopia

84.5849, 0.3247, 0.3222



## Tritanopia

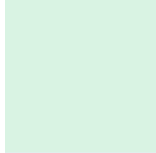
85.3313, 0.2843, 0.3175

# Trichromacy



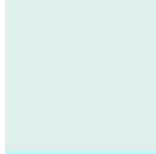
## Original Color

85.7280, 0.2747, 0.3536



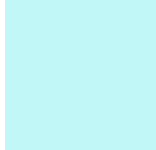
## Protanomaly

84.3989, 0.3055, 0.3459



## Deuteranomaly

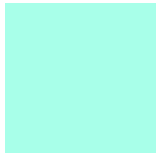
84.0643, 0.3041, 0.3331



## Tritanomaly

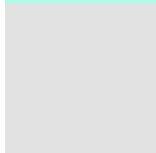
85.1877, 0.2802, 0.3300

# Monochromacy



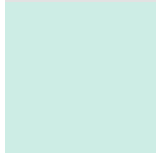
## Original Color

85.7280, 0.2747, 0.3536



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.2047, 0.2967, 0.3377

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.7280, 0.2747, 0.3536 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(168, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 233)  
}
```

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(168, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 85.7280, 0.2747, 0.3536 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(168, 255, 233) }
```

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

```
.border{ border-color:rgb(168, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.7280, 0.2747, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 233) }
```

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

```
.background{ background-color: rgb(168,  
255, 233) }
```

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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