

# Converting Colors

Yxy(108.8939, 0.2867, 0.4046)

Have a look what the booklet for  
Yxy(108.8939, 0.2867, 0.4046)  
contains.

<b>Yxy(85.3526, 0.2843, 0.3709)</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(85.3526, 0.2843, 0.3709)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACFFDA
RGB	172, 255, 218
RGB Percent	67%, 100%, 85%
CMY	0.3255, 0.0000, 0.1451
CMYK	0.33, 0.00, 0.15, 0.00
HSL	153°, 100%, 84%
HSV	153°, 33%, 100%
XYZ	65.4240, 85.3526, 79.3464
YIQ	225.9650, -37.5910, -29.1030

# Conversions

## Conversions Part 2

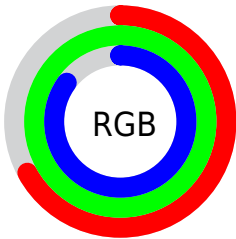
Format	Color
<a href="#">RYB</a>	<a href="#">172, 225, 255</a>
Decimal	<a href="#">11337690</a>
CIELab	<a href="#">94.03, -32.82, 9.74</a>
CIELCh	<a href="#">94, 34.231, 163.473</a>
Yxy	<a href="#">85.3526, 0.2843, 0.3709</a>
Android (android.graphics.Color)	<a href="#">4289527770</a> ( <a href="#">0xFFACFFDA</a> )
YUV	<a href="#">225.9650, -3.9267, -47.3273</a>
Hunter-Lab	<a href="#">92.3865, -35.2706, 13.7491</a>

# Details

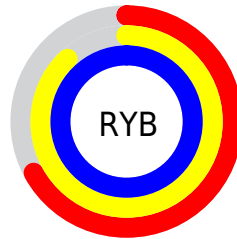
The Yxy color **85.3526, 0.2843, 0.3709** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.3630, 0.3547, 0.2909**, and the grayscale version is **76.0710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **46.8144, 0.2779, 0.3811** is the 20% darker color. If you saturate the color by 10%, you get **82.1620, 0.2771, 0.3864**, and if you desaturate by 10%, it is **89.1331, 0.2924, 0.3566**.

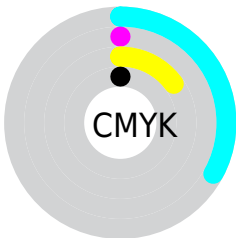
# Distribution



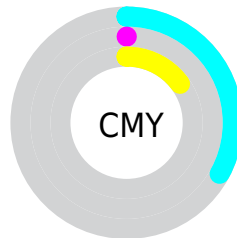
- Red (67%)
- Green (100%)
- Blue (85%)



- Red (67%)
- Yellow (88%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3526, 0.2843, 0.3709 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 85.3526, 0.2843, 0.3709 by changing the saturation by 10% instead.



 85.3526, 0.2843,  
0.3709

 85.3526, 0.2843,  
0.3709

512.7941, 0.2973,  
0.3515

 64.1328, 0.2813,  
0.3753

 140.8657, 0.2888,  
0.3641

 46.7582, 0.2777,  
0.3809


175.9278, 0.2906,  
0.3615

 32.8446, 0.2731,  
0.3878


216.3727, 0.2921,  
0.3593

 22.0074, 0.2672,  
0.3970

262.5849, 0.2934,  
0.3573

 13.8623, 0.2591,  
0.4094

314.9487, 0.2946,  
0.3556

 8.0250, 0.2476,  
0.4275

373.8486, 0.2956,

 4.1109, 0.2300,

0.3541

0.4556

439.6689, 0.2965,  
0.3527

■ 1.7358, 0.1974,  
0.5071

■ 0.4467, 0.0000,  
1.0000

■ 85.3526, 0.2843,  
0.3709

■ 85.3526, 0.2843,  
0.3709

■ 82.1620, 0.2771,  
0.3864

■ 89.1331, 0.2924,  
0.3566

■ 79.5353, 0.2712,  
0.4030

■ 93.5403, 0.3012,  
0.3435

■ 77.4347, 0.2669,  
0.4203

■ 98.5997, 0.3104,  
0.3318

■ 75.8198, 0.2645,  
0.4380

100.0000, 0.3127,  
0.3290

 74.6445, 0.2641,  
0.4556

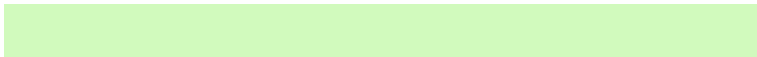
 73.8530, 0.2658,  
0.4728

 73.4522, 0.2681,  
0.4852

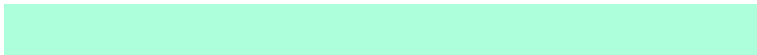
# Harmonies

## Analogous

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



85.3526, 0.3224, 0.3952



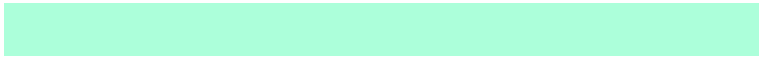
85.3526, 0.2843, 0.3709



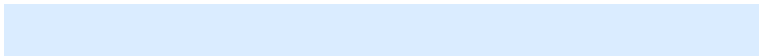
85.3526, 0.2550, 0.3338

# Triad

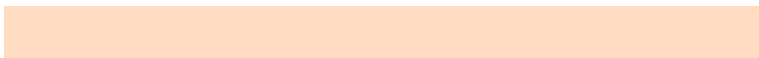
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3526, 0.2843, 0.3709



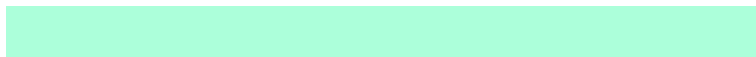
85.3526, 0.2652, 0.2654



85.3526, 0.3901, 0.3522

# Complementary

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



85.3526, 0.2843, 0.3709



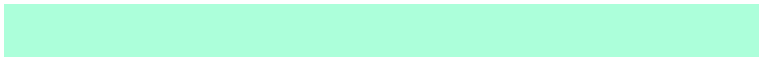
55.3630, 0.3547, 0.2909

# 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.



85.3526, 0.3731, 0.3203



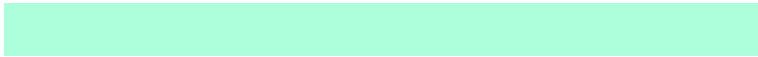
85.3526, 0.2843, 0.3709



85.3526, 0.2992, 0.2722

# Square

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



85.3526, 0.2843, 0.3709



85.3526, 0.2447, 0.2739



85.3526, 0.3390, 0.2918

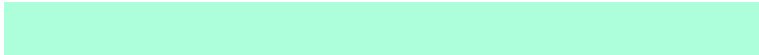


85.3526, 0.3847, 0.3808



# Rectangle

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



85.3526, 0.2843, 0.3709



85.3526, 0.2438, 0.3090



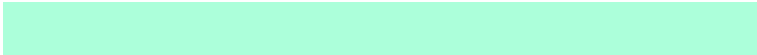
85.3526, 0.3390, 0.2918



85.3526, 0.3869, 0.3416

# Sweetspot

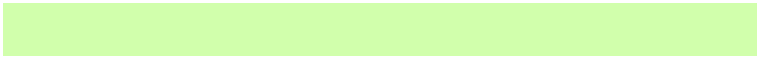
The Sweet Spot groups the original color and five complimentary colors.



85.3504, 0.2843, 0.3709



94.7696, 0.3035, 0.3404



88.1033, 0.3313, 0.4194



20.1387, 0.3023, 0.3421



0.0000, 0.0000, 0.0000

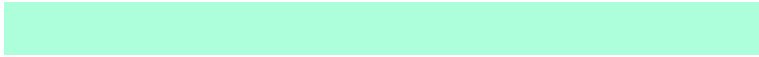


21.4041, 0.3127, 0.3290

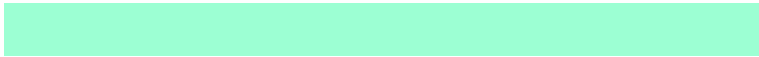


# Same Dimension

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



85.3504, 0.2843, 0.3709



83.2292, 0.2795, 0.3808



84.8893, 0.2656, 0.3243



20.3367, 0.3040, 0.3398



38.4109, 0.2673, 0.4824



3.7620, 0.2620, 0.4633



# Inverse Universe

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



55.3630, 0.3547, 0.2909



49.0512, 0.3664, 0.2832



55.3423, 0.3872, 0.3336



18.1217, 0.3224, 0.3184



11.7690, 0.5194, 0.2635

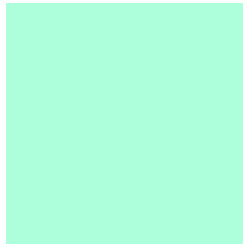


1.1675, 0.4911, 0.2479



# Previews

## White Background



This preview shows how the Yxy color 85.3526, 0.2843, 0.3709 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

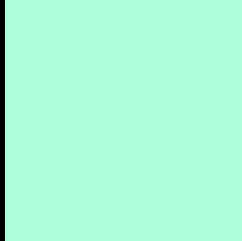
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.3526, 0.2843, 0.3709 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

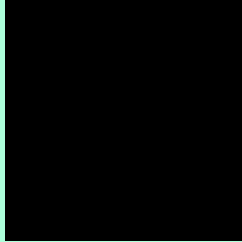
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

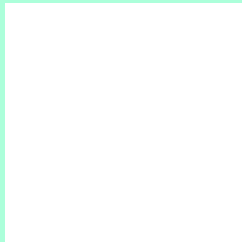
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.3526, 0.2843, 0.3709**

## Background



This preview shows how black text looks on a background with the Yxy color 85.3526, 0.2843, 0.3709.

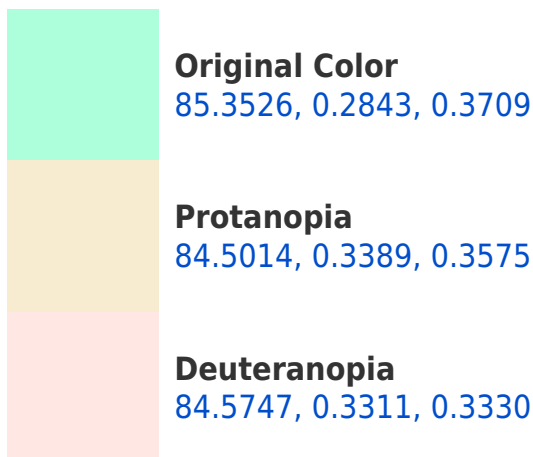


This preview shows how white text looks on a background with the Yxy color 85.3526, 0.2843, 0.3709.

# 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

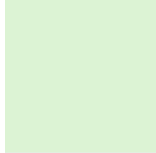
84.7311, 0.2842, 0.3164

# Trichromacy



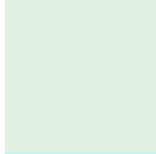
## Original Color

85.3526, 0.2843, 0.3709



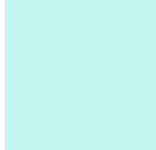
## Protanomaly

84.0703, 0.3164, 0.3621



## Deuteranomaly

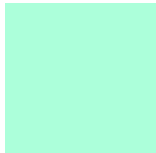
83.7095, 0.3126, 0.3458



## Tritanomaly

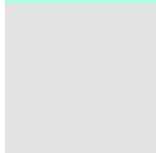
84.5344, 0.2839, 0.3343

# Monochromacy



## Original Color

85.3526, 0.2843, 0.3709



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.0179, 0.3009, 0.3443

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.3526, 0.2843, 0.3709 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(172, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 218)  
}
```

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(172, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 85.3526, 0.2843, 0.3709 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(172, 255, 218) }
```

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

```
.border{ border-color:rgb(172, 255, 218) }
```

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

Here you see how a box with a 4 pixel rgb(172, 255, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.3526, 0.2843, 0.3709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 218) }
```

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

```
.background{ background-color: rgb(172,  
255, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor