

# Converting Colors

$Yxy(83.8982, 0.2729, 0.3369)$

Have a look what the booklet for  
Yxy(83.8982, 0.2729, 0.3369)  
contains.

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# Color

**Yxy(83.9562, 0.2728, 0.3366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFFAF3
RGB	175, 250, 243
RGB Percent	69%, 98%, 95%
CMY	0.3137, 0.0196, 0.0470
CMYK	0.30, 0.00, 0.03, 0.02
HSL	174°, 88%, 83%
HSV	174°, 30%, 98%
XYZ	68.0429, 83.9562, 97.4251
YIQ	226.7770, -42.4530, -18.0770

# Conversions

## Conversions Part 2

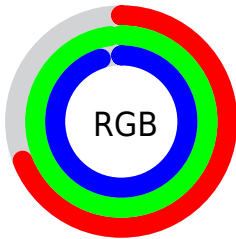
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 214, 250
Decimal	11533043
CIELab	93.43, -24.40, -4.05
CIElCh	93, 24.735, 189.419
Yxy	83.9562, 0.2728, 0.3366
Android (android.graphics.Color)	4289723123 (0xFFAFFAF3)
YUV	226.7770, 7.9979, -45.4084
Hunter-Lab	91.6276, -27.7937, 1.0979

# Details

The Yxy color **83.9562, 0.2728, 0.3366** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.3595, 0.3740, 0.3217**, and the grayscale version is **76.6111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **45.7209, 0.2642, 0.3375** is the 20% darker color. If you saturate the color by 10%, you get **81.1899, 0.2618, 0.3395**, and if you desaturate by 10%, it is **87.2666, 0.2852, 0.3339**.

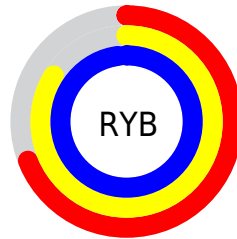
# Distribution



Red (69%)

Green (98%)

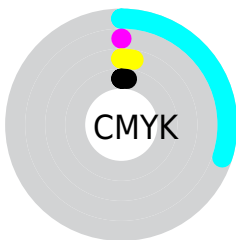
Blue (95%)



Red (69%)

Yellow (84%)

Blue (98%)

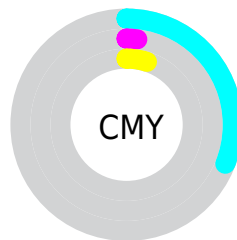


Cyan (30%)

Magenta (0%)

Yellow (3%)

Black (2%)



Cyan (31%)

Magenta (2%)


Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9562, 0.2728, 0.3366 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 83.9562, 0.2728, 0.3366 by changing the saturation by 10% instead.




 83.9562, 0.2728,  
0.3366

 83.9562, 0.2728,  
0.3366


508.1678, 0.2906,  
0.3334

 62.9793, 0.2689,  
0.3373


 138.9139, 0.2789,  
0.3355

 45.8244, 0.2641,  
0.3381


173.6635, 0.2813,  
0.3351

 32.1073, 0.2581,  
0.3390


213.7727, 0.2833,  
0.3347

 21.4435, 0.2505,  
0.3402

259.6260, 0.2852,  
0.3344

 13.4486, 0.2405,  
0.3417

311.6078, 0.2868,  
0.3341

 7.7381, 0.2267,  
0.3435


370.1024, 0.2882,


 3.9279, 0.2064,


0.3338


0.3458


435.4943, 0.2895,  
0.3336

 1.6333, 0.1743,  
0.3483


 0.3799, 0.0000,  
0.3529


 83.9562, 0.2728,  
0.3366


 83.9562, 0.2728,  
0.3366


 81.1899, 0.2618,  
0.3395


 87.2666, 0.2852,  
0.3339


 78.9278, 0.2523,  
0.3426


 91.1382, 0.2986,  
0.3313

 77.1410, 0.2447,  
0.3457


 95.5998, 0.3127,  
0.3290

 75.7931, 0.2389,  
0.3490


 96.6835, 0.3145,  
0.3268

 74.8426, 0.2352,  
0.3522

 96.8323, 0.3131,  
0.3246

 74.2403, 0.2333,  
0.3554

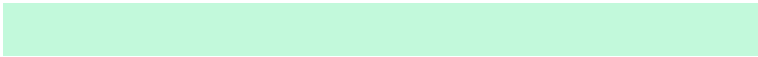
 96.8541, 0.3129,  
0.3242

 73.9045, 0.2329,  
0.3586

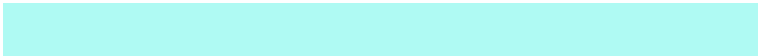
# Harmonies

## Analogous

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



83.9562, 0.2958, 0.3620



83.9562, 0.2728, 0.3366



83.9562, 0.2604, 0.3102

# Triad

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



83.9562, 0.2728, 0.3366



83.9562, 0.2994, 0.2855



83.9562, 0.3665, 0.3651

# Complementary

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



83.9562, 0.2728, 0.3366



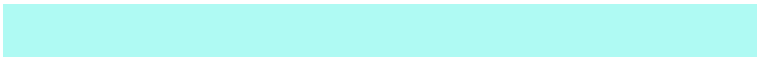
54.3595, 0.3740, 0.3217

# 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.



83.9562, 0.3680, 0.3437



83.9562, 0.2728, 0.3366



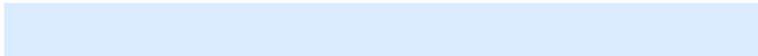
83.9562, 0.3282, 0.2991

# Square

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



83.9562, 0.2728, 0.3366



83.9562, 0.2752, 0.2822



83.9562, 0.3537, 0.3199

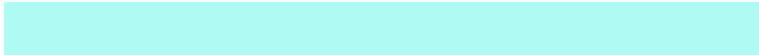


83.9562, 0.3502, 0.3781



# Rectangle

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



83.9562, 0.2728, 0.3366



83.9562, 0.2595, 0.2961



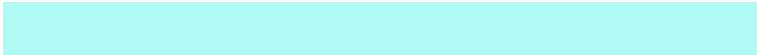
83.9562, 0.3537, 0.3199



83.9562, 0.3688, 0.3586

# Sweetspot

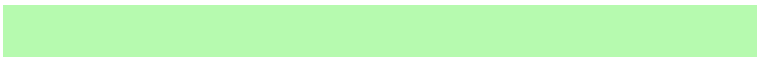
The Sweet Spot groups the original color and five complimentary colors.



83.9596, 0.2728, 0.3366



95.7672, 0.3000, 0.3311



81.4746, 0.3132, 0.4160



20.3619, 0.2979, 0.3314



0.0000, 0.0000, 0.0000

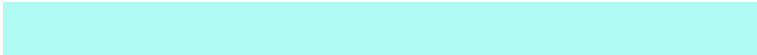


21.4041, 0.3127, 0.3290

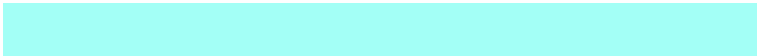


# Same Dimension

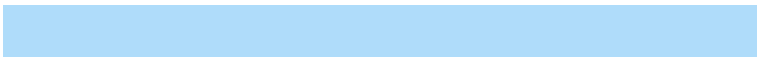
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9596, 0.2728, 0.3366



86.0090, 0.2660, 0.3383



67.2026, 0.2655, 0.2948



19.5791, 0.2993, 0.3312



39.2112, 0.2328, 0.3580



3.6395, 0.2317, 0.3542



# Inverse Universe

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



54.3595, 0.3740, 0.3217



50.4945, 0.3919, 0.3202



67.0819, 0.3711, 0.3608



17.2515, 0.3279, 0.3268



10.8228, 0.6297, 0.3243

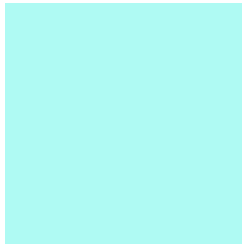


1.0110, 0.6085, 0.3126



# Previews

## White Background



This preview shows how the Yxy color 83.9562, 0.2728, 0.3366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

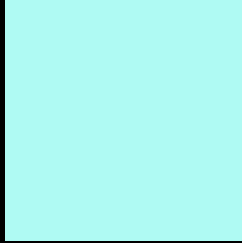
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.9562, 0.2728, 0.3366 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

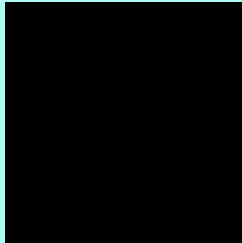
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.9562, 0.2728, 0.3366**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.9562, 0.2728, 0.3366.

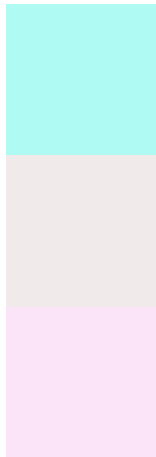


This preview shows how white text looks on a background with the Yxy color 83.9562, 0.2728, 0.3366.

# 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

83.9562, 0.2728, 0.3366

### Protanopia

83.3114, 0.3168, 0.3290

### Deuteranopia

82.9596, 0.3164, 0.3094



## Tritanopia

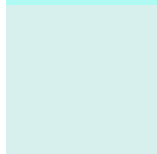
83.4208, 0.2813, 0.3152

# Trichromacy



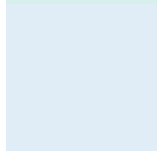
## Original Color

83.9562, 0.2728, 0.3366



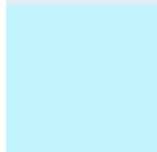
## Protanomaly

83.0335, 0.2991, 0.3321



## Deuteranomaly

82.4920, 0.2988, 0.3186



## Tritanomaly

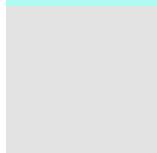
83.6073, 0.2779, 0.3225

# Monochromacy



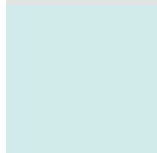
## Original Color

83.9562, 0.2728, 0.3366



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

78.7098, 0.2963, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.9562, 0.2728, 0.3366 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(175, 250, 243)` looks like.

```
.text, #text, p{  
    color:rgb(175, 250, 243)  
}
```

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(175, 250, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 250, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 83.9562, 0.2728, 0.3366 is called "border". The border property can be set on classes, ids or directly on the HTML element.

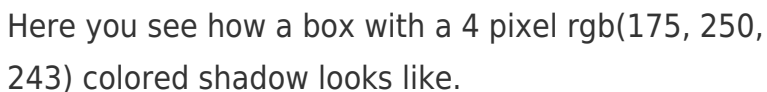
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 250, 243) }
```

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

```
.border{ border-color:rgb(175, 250, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 250, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 250, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 250, 243); box-shadow:4px 4px 4px 4px rgb(175, 250, 243) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.9562, 0.2728, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 250, 243) }
```

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

```
.background{ background-color: rgb(175,  
250, 243) }
```

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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