

# Converting Colors

$Yxy(86.8895, 0.2797, 0.3528)$

Have a look what the booklet for  
Yxy(86.8895, 0.2797, 0.3528)  
contains.

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# Color

**Yxy(86.8682, 0.2799, 0.3532)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2FFE9
RGB	178, 255, 233
RGB Percent	70%, 100%, 91%
CMY	0.3017, 0.0000, 0.0862
CMYK	0.30, 0.00, 0.09, 0.00
HSL	163°, 100%, 85%
HSV	163°, 30%, 100%
XYZ	68.8403, 86.8682, 90.2377
YIQ	229.4690, -38.8300, -23.1660

# Conversions

## Conversions Part 2

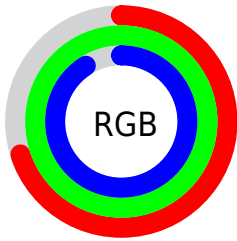
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 223, 255
Decimal	11730921
CIELab	94.68, -28.05, 2.97
CIELCh	95, 28.210, 173.958
Yxy	86.8682, 0.2799, 0.3532
Android (android.graphics.Color)	4289921001 (0xFFB2FFE9)
YUV	229.4690, 1.7408, -45.1383
Hunter-Lab	93.2031, -31.2643, 7.8386

# Details

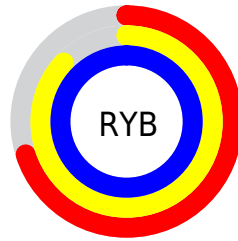
The Yxy color **86.8682, 0.2799, 0.3532** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.2985, 0.3614, 0.3063**, and the grayscale version is **78.7388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **47.7734, 0.2730, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **83.7212, 0.2708, 0.3627**, and if you desaturate by 10%, it is **90.6001, 0.2901, 0.3444**.

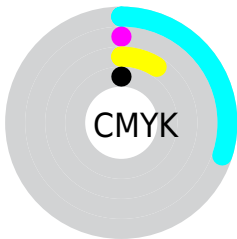
# Distribution



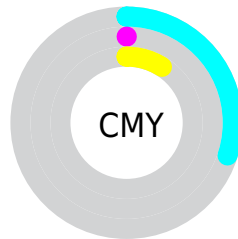
- Red (70%)
- Green (100%)
- Blue (91%)



- Red (70%)
- Yellow (87%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8682, 0.2799, 0.3532 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 86.8682, 0.2799, 0.3532 by changing the saturation by 10% instead.




 86.8682, 0.2799,  
0.3532

 86.8682, 0.2799,  
0.3532


517.7897, 0.2946,  
0.3422

 65.3861, 0.2766,  
0.3557


 142.9804, 0.2849,  
0.3494

 47.7743, 0.2726,  
0.3587


178.3794, 0.2869,  
0.3480

 33.6482, 0.2677,  
0.3624


219.1861, 0.2886,  
0.3467

 22.6234, 0.2613,  
0.3673

265.7849, 0.2901,  
0.3456

 14.3157, 0.2528,  
0.3738

318.5603, 0.2915,  
0.3446

 8.3406, 0.2410,  
0.3830

377.8966, 0.2926,

 4.3136, 0.2236,

0.3437

0.3969

444.1783, 0.2937,  
0.3429

■ 1.8505, 0.1953,  
0.4201

■ 0.5184, 0.0000,  
0.5923

■ 86.8682, 0.2799,  
0.3532

■ 86.8682, 0.2799,  
0.3532

■ 83.7212, 0.2708,  
0.3627

■ 90.6001, 0.2901,  
0.3444

■ 81.1173, 0.2630,  
0.3727

■ 94.9353, 0.3011,  
0.3364

■ 79.0255, 0.2569,  
0.3833

99.9041, 0.3125,  
0.3291

■ 77.4076, 0.2527,  
0.3941

99.9949, 0.3127,  
0.3290

■ 76.2197, 0.2505,  
0.4051

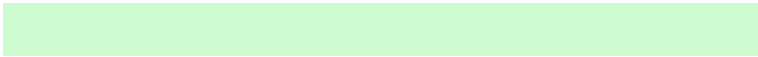
■ 75.4095, 0.2503,  
0.4160

■ 74.8978, 0.2518,  
0.4266

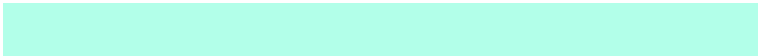
# Harmonies

## Analogous

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



86.8682, 0.3097, 0.3775



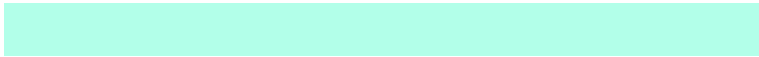
86.8682, 0.2799, 0.3532



86.8682, 0.2594, 0.3224

# Triad

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



86.8682, 0.2799, 0.3532



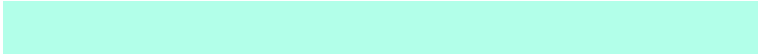
86.8682, 0.2825, 0.2768



86.8682, 0.3766, 0.3576

# Complementary

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



86.8682, 0.2799, 0.3532



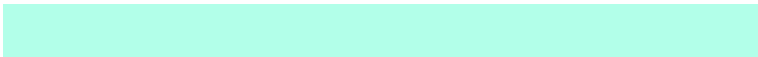
57.2985, 0.3614, 0.3063

# 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.



86.8682, 0.3689, 0.3314



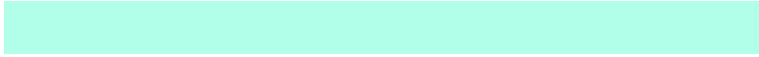
86.8682, 0.2799, 0.3532



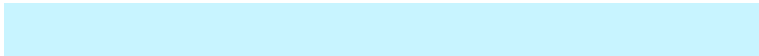
86.8682, 0.3131, 0.2864

# Square

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



86.8682, 0.2799, 0.3532



86.8682, 0.2609, 0.2797



86.8682, 0.3452, 0.3059

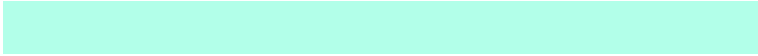


86.8682, 0.3662, 0.3782



# Rectangle

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



86.8682, 0.2799, 0.3532



86.8682, 0.2533, 0.3036



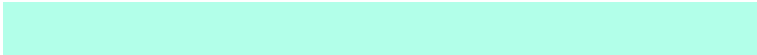
86.8682, 0.3452, 0.3059



86.8682, 0.3761, 0.3492

# Sweetspot

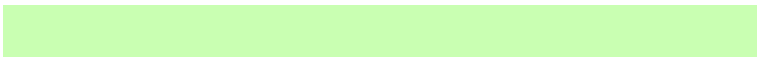
The Sweet Spot groups the original color and five complimentary colors.



86.8717, 0.2799, 0.3532



95.4890, 0.3024, 0.3355



87.1695, 0.3227, 0.4141



20.2930, 0.3008, 0.3366



0.0000, 0.0000, 0.0000

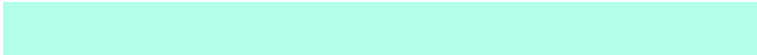


21.4041, 0.3127, 0.3290

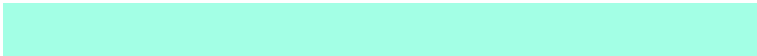


# Same Dimension

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



86.8717, 0.2799, 0.3532



84.9720, 0.2744, 0.3586



78.7815, 0.2672, 0.3120



20.3878, 0.3018, 0.3359



39.1655, 0.2513, 0.4248



3.8323, 0.2479, 0.4125



# Inverse Universe

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



57.2985, 0.3614, 0.3063



51.2183, 0.3747, 0.3017



62.8158, 0.3762, 0.3453



18.0724, 0.3249, 0.3222



11.3813, 0.5818, 0.2979

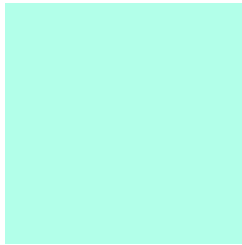


1.1260, 0.5499, 0.2803



# Previews

## White Background



This preview shows how the Yxy color 86.8682, 0.2799, 0.3532 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

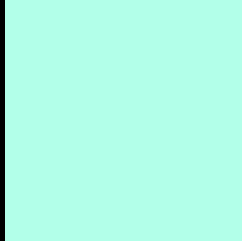
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.8682, 0.2799, 0.3532 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

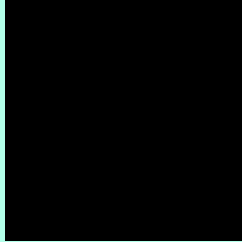
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

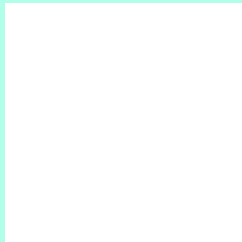
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.8682, 0.2799, 0.3532**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.8682, 0.2799, 0.3532.



This preview shows how white text looks on a background with the Yxy color 86.8682, 0.2799, 0.3532.

# 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

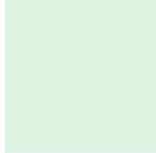
86.2175, 0.2878, 0.3176

# Trichromacy



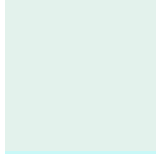
## Original Color

86.8682, 0.2799, 0.3532



## Protanomaly

85.7770, 0.3087, 0.3468



## Deuteranomaly

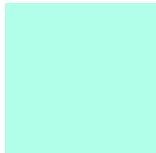
85.8913, 0.3066, 0.3352



## Tritanomaly

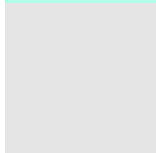
86.2677, 0.2847, 0.3300

# Monochromacy



## Original Color

86.8682, 0.2799, 0.3532



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

80.5639, 0.2993, 0.3376

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.8682, 0.2799, 0.3532 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(178, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 86.8682, 0.2799, 0.3532 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(178, 255, 233) }
```

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

```
.border{ border-color:rgb(178, 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(178, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.8682, 0.2799, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 233) }
```

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

```
.background{ background-color: rgb(178,  
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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