

# Converting Colors

$Yxy(86.0213, 0.2703, 0.3275)$

Have a look what the booklet for  
Yxy(86.0213, 0.2703, 0.3275)  
contains.

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# Color

**Yxy(86.2964, 0.2702, 0.3278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3FCFD
RGB	179, 252, 253
RGB Percent	70%, 99%, 99%
CMY	0.2980, 0.0118, 0.0079
CMYK	0.29, 0.00, 0.00, 0.01
HSL	181°, 95%, 85%
HSV	181°, 29%, 99%
XYZ	71.1327, 86.2964, 105.8302
YIQ	230.2870, -43.8290, -15.1650

# Conversions

## Conversions Part 2

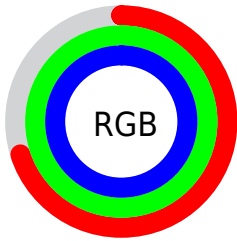
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 216, 253
Decimal	11795709
CIELab	94.44, -22.07, -7.70
CIELCh	94, 23.379, 199.233
Yxy	86.2964, 0.2702, 0.3278
Android (android.graphics.Color)	4289985789 (0xFFB3FCFD)
YUV	230.2870, 11.1975, -44.9787
Hunter-Lab	92.8959, -25.8859, -2.5182

# Details

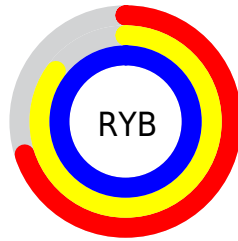
The Yxy color **86.2964, 0.2702, 0.3278** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.7854, 0.3778, 0.3302**, and the grayscale version is **79.2988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **47.2267, 0.2610, 0.3274** is the 20% darker color. If you saturate the color by 10%, you get **83.3434, 0.2581, 0.3274**, and if you desaturate by 10%, it is **89.8098, 0.2837, 0.3282**.

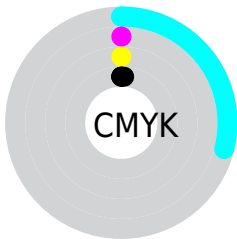
# Distribution



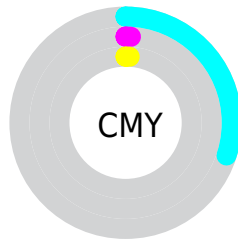
- Red (70%)
- Green (99%)
- Blue (99%)



- Red (70%)
- Yellow (85%)
- Blue (99%)



- Cyan (29%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)




- Cyan (30%)
- Magenta (1%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.2964, 0.2702, 0.3278 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 86.2964, 0.2702, 0.3278 by changing the saturation by 10% instead.




 86.2964, 0.2702,  
0.3278

 86.2964, 0.2702,  
0.3278


515.9080, 0.2890,  
0.3287

 64.9131, 0.2661,  
0.3275


 142.1830, 0.2766,  
0.3281

 47.3906, 0.2611,  
0.3272


177.4552, 0.2791,  
0.3283

 33.3446, 0.2549,  
0.3267


218.1257, 0.2813,  
0.3284

 22.3905, 0.2471,  
0.3260

264.5790, 0.2832,  
0.3284

 14.1441, 0.2368,  
0.3250

317.1995, 0.2849,  
0.3285

 8.2210, 0.2228,  
0.3232

376.3716, 0.2864,

 4.2367, 0.2027,

0.3286

0.3201

442.4796, 0.2878,  
0.3286

■ 1.8068, 0.1715,  
0.3136

■ 0.4914, 0.0000,  
0.3132

■ 86.2964, 0.2702,  
0.3278

■ 86.2964, 0.2702,  
0.3278

■ 83.3434, 0.2581,  
0.3274

■ 89.8098, 0.2837,  
0.3282

■ 80.9100, 0.2476,  
0.3269

■ 93.9010, 0.2984,  
0.3286

■ 78.9666, 0.2390,  
0.3264

■ 98.5997, 0.3139,  
0.3290

■ 77.4761, 0.2324,  
0.3260

■ 98.8294, 0.3140,  
0.3294

■ 76.3964, 0.2277,  
0.3255

99.0443, 0.3139,  
0.3297

■ 75.6773, 0.2249,  
0.3251

99.2596, 0.3139,  
0.3300

■ 75.2429, 0.2236,  
0.3246

99.4753, 0.3139,  
0.3303

■ 75.2145, 0.2235,  
0.3246

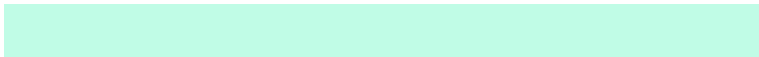
99.6914, 0.3139,  
0.3306

99.8715, 0.3139,  
0.3309

# Harmonies

## Analogous

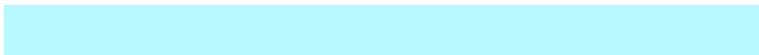
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2964, 0.2890, 0.3527



86.2964, 0.2702, 0.3278



86.2964, 0.2625, 0.3045

# Triad

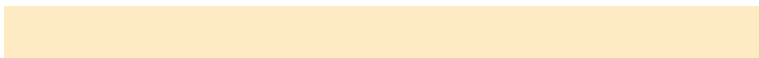
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.2964, 0.2702, 0.3278



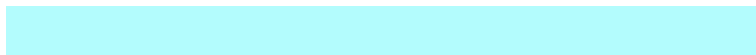
86.2964, 0.3089, 0.2913



86.2964, 0.3595, 0.3680

# Complementary

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



86.2964, 0.2702, 0.3278



56.7854, 0.3778, 0.3302

# 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.



86.2964, 0.3657, 0.3500



86.2964, 0.2702, 0.3278



86.2964, 0.3358, 0.3067

# Square

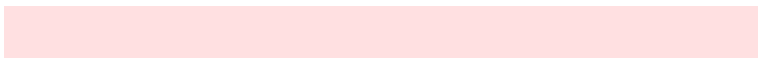
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.2964, 0.2702, 0.3278



86.2964, 0.2841, 0.2849



86.2964, 0.3569, 0.3278



86.2964, 0.3406, 0.3763

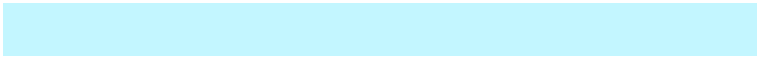


# Rectangle

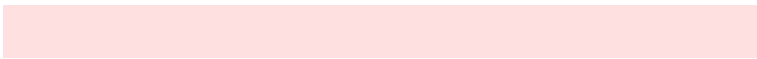
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.2964, 0.2702, 0.3278



86.2964, 0.2644, 0.2932



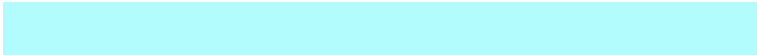
86.2964, 0.3569, 0.3278



86.2964, 0.3632, 0.3628

# Sweetspot

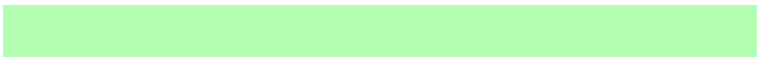
The Sweet Spot groups the original color and five complimentary colors.



86.2999, 0.2702, 0.3278



95.7079, 0.2988, 0.3287



83.0889, 0.3087, 0.4146



20.3471, 0.2966, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

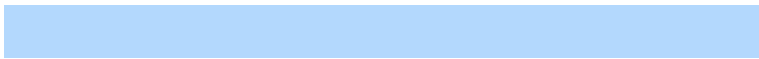
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2999, 0.2702, 0.3278



86.0584, 0.2630, 0.3275



65.7937, 0.2658, 0.2872



20.4371, 0.2980, 0.3286



40.0320, 0.2235, 0.3247



3.9107, 0.2237, 0.3252



# Inverse Universe

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



60.1589, 0.3169, 0.2569



55.5847, 0.3177, 0.2430



73.2530, 0.3671, 0.3674



18.2959, 0.3140, 0.3059



14.7692, 0.3243, 0.1560

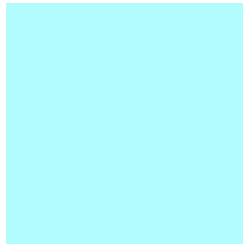


1.4393, 0.3239, 0.1558



# Previews

## White Background



This preview shows how the Yxy color 86.2964, 0.2702, 0.3278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

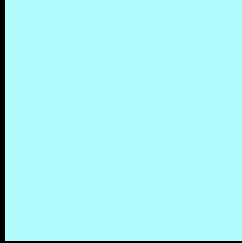
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.2964, 0.2702, 0.3278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

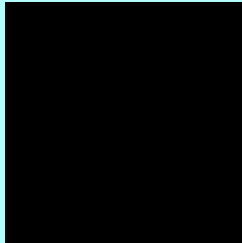
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.2964, 0.2702, 0.3278**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.2964, 0.2702, 0.3278.

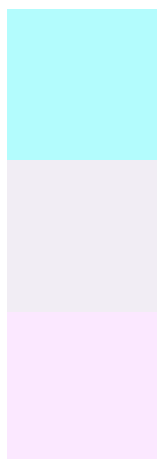


This preview shows how white text looks on a background with the Yxy color 86.2964, 0.2702, 0.3278.

# 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

86.2964, 0.2702, 0.3278

### Protanopia

85.8008, 0.3111, 0.3220

### Deuteranopia

85.4425, 0.3111, 0.3066



## Tritanopia

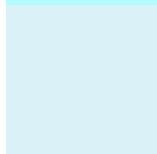
85.9184, 0.2866, 0.3175

# Trichromacy



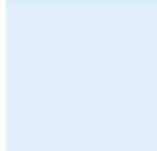
## Original Color

86.2964, 0.2702, 0.3278



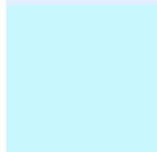
## Protanomaly

85.1251, 0.2946, 0.3238



## Deuteranomaly

84.8963, 0.2949, 0.3137



## Tritanomaly

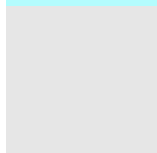
85.9566, 0.2804, 0.3215

# Monochromacy



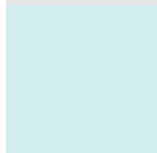
## Original Color

86.2964, 0.2702, 0.3278



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

81.1710, 0.2953, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.2964, 0.2702, 0.3278 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(179, 252, 253)` looks like.

```
.text, #text, p{  
    color:rgb(179, 252, 253)  
}
```

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(179, 252, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 252, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 86.2964, 0.2702, 0.3278 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(179, 252, 253) }
```

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

```
.border{ border-color:rgb(179, 252, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 252, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 252, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 252, 253); box-shadow:4px 4px 4px 4px rgb(179, 252, 253) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.2964, 0.2702, 0.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 252, 253) }
```

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

```
.background{ background-color: rgb(179,  
252, 253) }
```

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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