

# Converting Colors

$Yxy(82.6715, 0.2786, 0.3478)$

Have a look what the booklet for  
Yxy(82.6715, 0.2786, 0.3478)  
contains.

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# Color

**Yxy(82.8077, 0.2788, 0.3480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0F9E8
RGB	176, 249, 232
RGB Percent	69%, 98%, 91%
CMY	0.3098, 0.0235, 0.0903
CMYK	0.29, 0.00, 0.07, 0.02
HSL	166°, 86%, 83%
HSV	166°, 29%, 98%
XYZ	66.3413, 82.8077, 88.8041
YIQ	225.2350, -38.0510, -20.7630

# Conversions

## Conversions Part 2

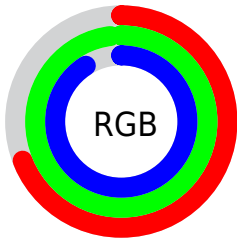
Format	Color
R <sub>Y</sub> B	176, 217, 249
Decimal	11598312
CIE Lab	92.93, -26.00, 0.95
CIE LCh	93, 26.018, 177.910
Yxy	82.8077, 0.2788, 0.3480
Android (android.graphics.Color)	4289788392 (0xFFB0F9E8)
YUV	225.2350, 3.3351, -43.1791
Hunter-Lab	90.9987, -29.1149, 5.8390

# Details

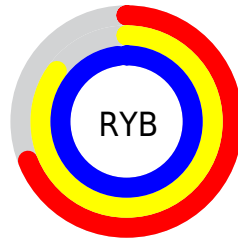
The Yxy color **82.8077, 0.2788, 0.3480** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.0446, 0.3629, 0.3110**, and the grayscale version is **75.4694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **44.8988, 0.2714, 0.3525** is the 20% darker color. If you saturate the color by 10%, you get **79.8449, 0.2690, 0.3556**, and if you desaturate by 10%, it is **86.3205, 0.2897, 0.3410**.

# Distribution



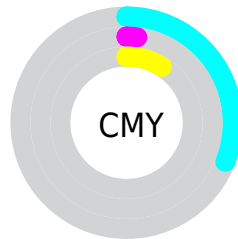
- Red (69%)
- Green (98%)
- Blue (91%)



- Red (69%)
- Yellow (85%)
- Blue (98%)



- Cyan (29%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)




- Cyan (31%)
- Magenta (2%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8077, 0.2788, 0.3480 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 82.8077, 0.2788, 0.3480 by changing the saturation by 10% instead.




 82.8077, 0.2788,  
0.3480

 82.8077, 0.2788,  
0.3480


504.3454, 0.2941,  
0.3394

 62.0315, 0.2754,  
0.3499

 137.3061, 0.2840,  
0.3450

 45.0582, 0.2712,  
0.3523


171.7971, 0.2861,  
0.3439

 31.5032, 0.2660,  
0.3552


211.6285, 0.2879,  
0.3429

 20.9824, 0.2593,  
0.3591

257.1847, 0.2894,  
0.3420

 13.1111, 0.2503,  
0.3642

308.8501, 0.2908,  
0.3412

 7.5051, 0.2378,  
0.3713

367.0091, 0.2920,

 3.7799, 0.2192,

0.3406

0.3821

432.0461, 0.2931,  
0.3399

■ 1.5512, 0.1875,  
0.4007

■ 0.3244, 0.0000,  
0.5307

■ 82.8077, 0.2788,  
0.3480

■ 82.8077, 0.2788,  
0.3480

■ 79.8449, 0.2690,  
0.3556

■ 86.3205, 0.2897,  
0.3410

■ 77.3927, 0.2607,  
0.3636

■ 90.4003, 0.3014,  
0.3345

■ 75.4226, 0.2540,  
0.3720

■ 95.0756, 0.3136,  
0.3286

■ 73.8988, 0.2492,  
0.3807

■ 96.2366, 0.3130,  
0.3233

■ 72.7805, 0.2463,  
0.3895

■ 72.0194, 0.2455,  
0.3982

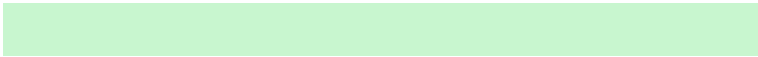
■ 71.5413, 0.2464,  
0.4068

■ 71.5129, 0.2465,  
0.4074

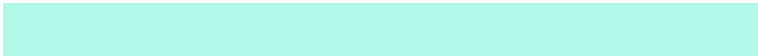
# Harmonies

## Analogous

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



82.8077, 0.3060, 0.3720



82.8077, 0.2788, 0.3480



82.8077, 0.2610, 0.3193

# Triad

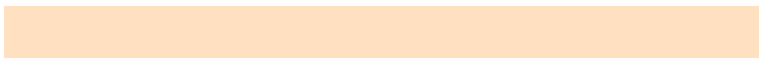
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8077, 0.2788, 0.3480



82.8077, 0.2878, 0.2804



82.8077, 0.3722, 0.3590

# Complementary

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



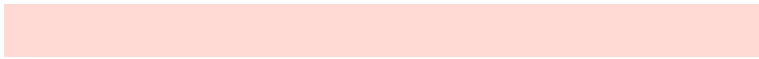
82.8077, 0.2788, 0.3480



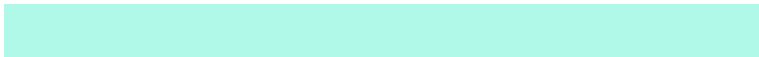
55.0446, 0.3629, 0.3110

# 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.



82.8077, 0.3672, 0.3347



82.8077, 0.2788, 0.3480



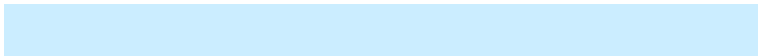
82.8077, 0.3172, 0.2909

# Square

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



82.8077, 0.2788, 0.3480



82.8077, 0.2660, 0.2816



82.8077, 0.3467, 0.3103

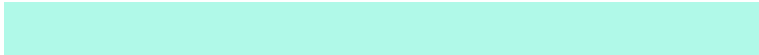


82.8077, 0.3605, 0.3770



# Rectangle

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



82.8077, 0.2788, 0.3480



82.8077, 0.2564, 0.3022



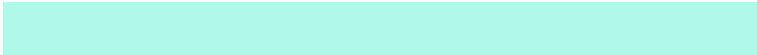
82.8077, 0.3467, 0.3103



82.8077, 0.3725, 0.3513

# Sweetspot

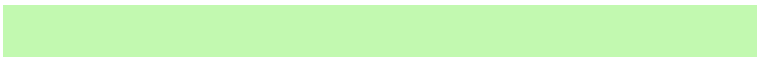
The Sweet Spot groups the original color and five complimentary colors.



82.8111, 0.2788, 0.3480



95.5639, 0.3017, 0.3343



82.3940, 0.3201, 0.4119



20.3115, 0.3000, 0.3352



0.0000, 0.0000, 0.0000

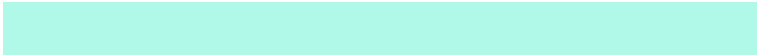


21.4041, 0.3127, 0.3290

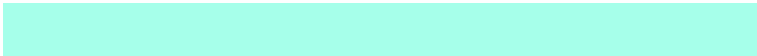


# Same Dimension

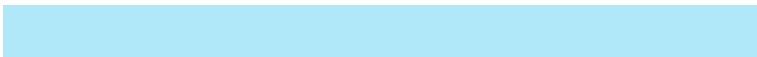
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8111, 0.2788, 0.3480



85.5500, 0.2731, 0.3523



73.0860, 0.2680, 0.3084



19.5352, 0.3011, 0.3346



38.2998, 0.2461, 0.4060



3.5634, 0.2432, 0.3956



# Inverse Universe

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



55.0446, 0.3629, 0.3110



52.0117, 0.3767, 0.3073



61.9722, 0.3727, 0.3486



17.2916, 0.3257, 0.3235



10.9627, 0.5984, 0.3070

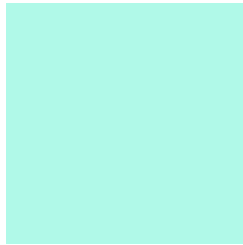


1.0309, 0.5657, 0.2890



# Previews

## White Background



This preview shows how the Yxy color 82.8077, 0.2788, 0.3480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

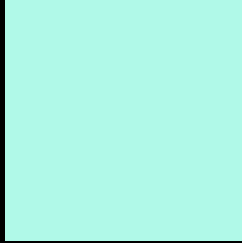
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.8077, 0.2788, 0.3480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

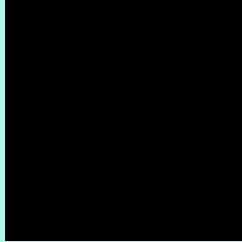
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

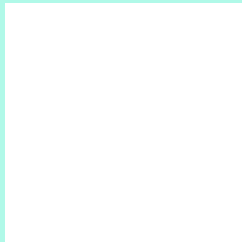
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.8077, 0.2788, 0.3480**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.8077, 0.2788, 0.3480.

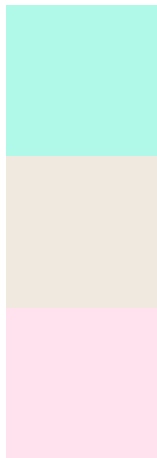


This preview shows how white text looks on a background with the Yxy color 82.8077, 0.2788, 0.3480.

# 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

82.8077, 0.2788, 0.3480

### Protanopia

82.1308, 0.3239, 0.3393

### Deuteranopia

81.7671, 0.3258, 0.3182



## Tritanopia

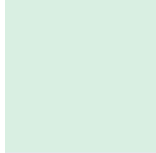
82.4100, 0.2795, 0.3141

# Trichromacy



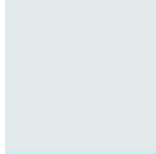
## Original Color

82.8077, 0.2788, 0.3480



## Protanomaly

81.9757, 0.3062, 0.3428



## Deuteranomaly

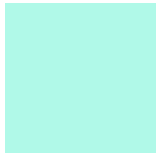
81.0125, 0.3068, 0.3279



## Tritanomaly

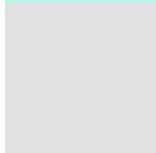
82.4931, 0.2788, 0.3257

# Monochromacy



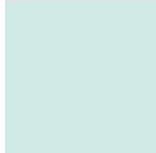
## Original Color

82.8077, 0.2788, 0.3480



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

77.7125, 0.2986, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.8077, 0.2788, 0.3480 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(176, 249, 232)` looks like.

```
.text, #text, p{  
    color:rgb(176, 249, 232)  
}
```

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(176, 249, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 249, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 82.8077, 0.2788, 0.3480 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(176, 249, 232) }
```

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

```
.border{ border-color:rgb(176, 249, 232) }
```

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

Here you see how a box with a 4 pixel rgb(176, 249, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 249, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 249, 232);  
box-shadow:4px 4px 4px 4px rgb(176, 249,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.8077, 0.2788, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 249, 232) }
```

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

```
.background{ background-color: rgb(176,  
249, 232) }
```

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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