

# Converting Colors

$Yxy(82.9892, 0.2725, 0.3326)$

Have a look what the booklet for  
Yxy(82.9892, 0.2725, 0.3326)  
contains.

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# Color

**Yxy(82.9575, 0.2721, 0.3322)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0F8F5
RGB	176, 248, 245
RGB Percent	69%, 97%, 96%
CMY	0.3099, 0.0274, 0.0392
CMYK	0.29, 0.00, 0.01, 0.03
HSL	177°, 84%, 83%
HSV	177°, 29%, 97%
XYZ	67.9492, 82.9575, 98.8148
YIQ	226.1300, -41.9490, -16.1970

# Conversions

## Conversions Part 2

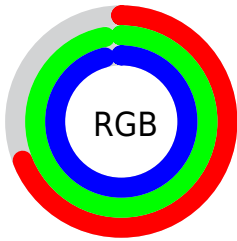
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 213, 248
Decimal	11598069
CIELab	93.00, -22.73, -5.71
CIElCh	93, 23.436, 194.105
Yxy	82.9575, 0.2721, 0.3322
Android (android.graphics.Color)	4289788149 (0xFFB0F8F5)
YUV	226.1300, 9.3029, -43.9640
Hunter-Lab	91.0810, -26.2253, -0.5677

# Details

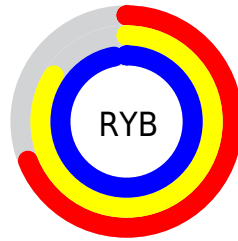
The Yxy color **82.9575, 0.2721, 0.3322** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **54.2557, 0.3747, 0.3259**, and the grayscale version is **76.1054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **45.0007, 0.2632, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **80.2664, 0.2604, 0.3335**, and if you desaturate by 10%, it is **86.1837, 0.2851, 0.3310**.

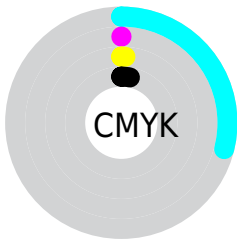
# Distribution



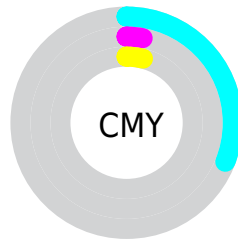
- Red (69%)
- Green (97%)
- Blue (96%)



- Red (69%)
- Yellow (84%)
- Blue (97%)



- Cyan (29%)
- Magenta (0%)
- Yellow (1%)
- Black (3%)




- Cyan (31%)
- Magenta (3%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9575, 0.2721, 0.3322 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 82.9575, 0.2721, 0.3322 by changing the saturation by 10% instead.





 82.9575, 0.2721,  
0.3322

 82.9575, 0.2721,  
0.3322


504.8449, 0.2903,  
0.3310

 62.1551, 0.2681,  
0.3324


 137.5159, 0.2783,  
0.3318

 45.1580, 0.2632,  
0.3326


172.0407, 0.2807,  
0.3317

 31.5819, 0.2572,  
0.3329


211.9085, 0.2828,  
0.3315

 21.0424, 0.2494,  
0.3331

257.5035, 0.2847,  
0.3314

 13.1550, 0.2392,  
0.3333

309.2103, 0.2863,  
0.3313

 7.5353, 0.2251,  
0.3333

367.4132, 0.2878,

 3.7991, 0.2045,

0.3312

432.4966, 0.2891,  
0.3311

0.3328

1.5618, 0.1719,  
0.3304

0.3317, 0.0000,  
0.3037

82.9575, 0.2721,  
0.3322

82.9575, 0.2721,  
0.3322

80.2664, 0.2604,  
0.3335

86.1837, 0.2851,  
0.3310

78.0715, 0.2504,  
0.3348

89.9617, 0.2993,  
0.3299

76.3448, 0.2422,  
0.3362

94.3195, 0.3142,  
0.3289

75.0510, 0.2360,  
0.3375

95.2491, 0.3165,  
0.3279

■ 74.1502, 0.2317,  
0.3389

■ 95.3140, 0.3159,  
0.3269

■ 73.5948, 0.2292,  
0.3403

■ 95.3793, 0.3153,  
0.3259

■ 73.3137, 0.2283,  
0.3417

■ 95.4449, 0.3147,  
0.3249

■ 73.2925, 0.2283,  
0.3418

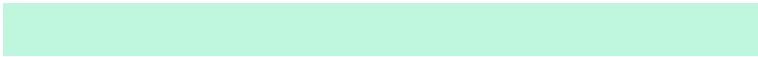
■ 95.5109, 0.3140,  
0.3240

■ 95.5773, 0.3134,  
0.3230

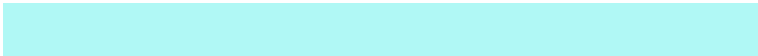
# Harmonies

## Analogous

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



82.9575, 0.2928, 0.3570



82.9575, 0.2721, 0.3322



82.9575, 0.2622, 0.3077

# Triad

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



82.9575, 0.2721, 0.3322



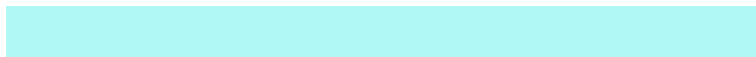
82.9575, 0.3042, 0.2889



82.9575, 0.3623, 0.3660

# Complementary

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



82.9575, 0.2721, 0.3322



54.2557, 0.3747, 0.3259

# 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.



82.9575, 0.3661, 0.3466



82.9575, 0.2721, 0.3322



82.9575, 0.3317, 0.3032

# Square

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



82.9575, 0.2721, 0.3322



82.9575, 0.2801, 0.2842



82.9575, 0.3547, 0.3239

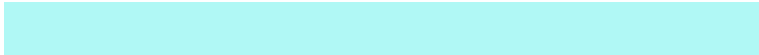


82.9575, 0.3450, 0.3765

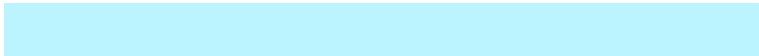


# Rectangle

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



82.9575, 0.2721, 0.3322



82.9575, 0.2626, 0.2952



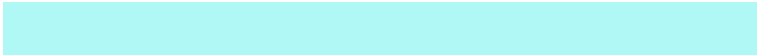
82.9575, 0.3547, 0.3239



82.9575, 0.3653, 0.3602

# Sweetspot

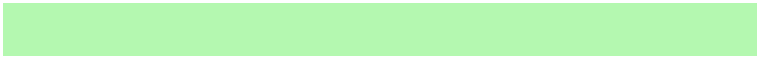
The Sweet Spot groups the original color and five complimentary colors.



82.9608, 0.2721, 0.3322



95.8425, 0.2993, 0.3299



79.9275, 0.3109, 0.4133



20.3806, 0.2972, 0.3301



0.0000, 0.0000, 0.0000

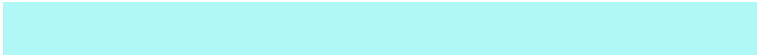


21.4041, 0.3127, 0.3290

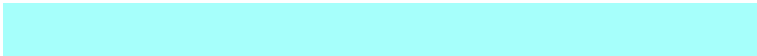


# Same Dimension

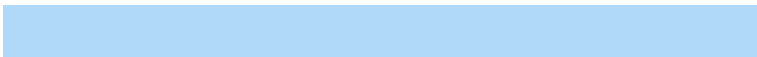
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9608, 0.2721, 0.3322



86.5820, 0.2649, 0.3330



64.9110, 0.2666, 0.2918



19.5953, 0.2986, 0.3300



39.5948, 0.2282, 0.3416



3.6709, 0.2278, 0.3399



# Inverse Universe

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



54.2557, 0.3747, 0.3259



51.3243, 0.3932, 0.3253



68.3959, 0.3677, 0.3634



17.2370, 0.3288, 0.3281



10.7978, 0.6358, 0.3276

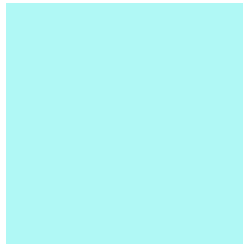


1.0041, 0.6254, 0.3219



# Previews

## White Background



This preview shows how the Yxy color 82.9575, 0.2721, 0.3322 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

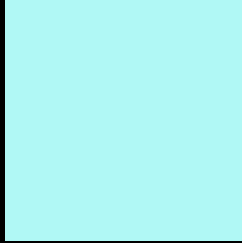
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.9575, 0.2721, 0.3322 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 82.9575, 0.2721, 0.3322**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.9575, 0.2721, 0.3322.

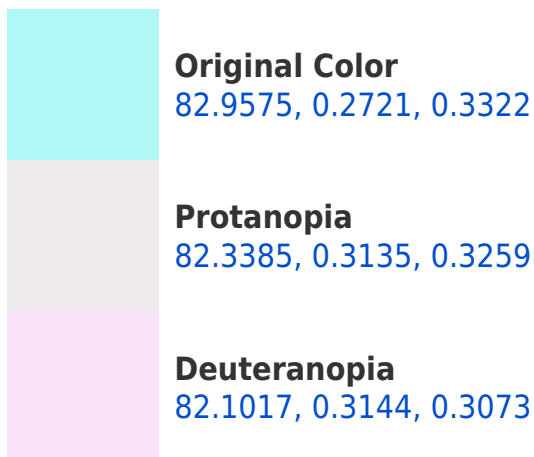


This preview shows how white text looks on a background with the Yxy color 82.9575, 0.2721, 0.3322.

# 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

82.4100, 0.2795, 0.3141

# Trichromacy



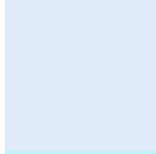
## Original Color

82.9575, 0.2721, 0.3322



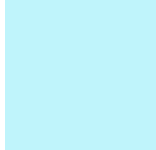
## Protanomaly

81.8281, 0.2972, 0.3279



## Deuteranomaly

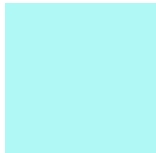
81.8819, 0.2970, 0.3155



## Tritanomaly

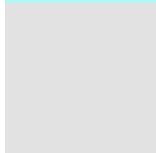
82.7428, 0.2767, 0.3214

# Monochromacy



## Original Color

82.9575, 0.2721, 0.3322



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

78.1387, 0.2963, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.9575, 0.2721, 0.3322 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, 248, 245)` looks like.

```
.text, #text, p{  
    color:rgb(176, 248, 245)  
}
```

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, 248, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 248, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 82.9575, 0.2721, 0.3322 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, 248, 245) }
```

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

```
.border{ border-color:rgb(176, 248, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 248, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 248, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 248, 245); box-shadow:4px 4px 4px 4px rgb(176, 248, 245) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.9575, 0.2721, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 248, 245) }
```

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

```
.background{ background-color: rgb(176,  
248, 245) }
```

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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