

# Converting Colors

$Y_{xy}(82.9879, 0.2750, 0.3312)$

Have a look what the booklet for  
Yxy(82.9879, 0.2750, 0.3312)  
contains.

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# Color

**Yxy(83.0592, 0.2752, 0.3311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6F7F5
RGB	182, 247, 245
RGB Percent	71%, 97%, 96%
CMY	0.2861, 0.0314, 0.0393
CMYK	0.26, 0.00, 0.01, 0.03
HSL	178°, 80%, 84%
HSV	178°, 26%, 97%
XYZ	69.0362, 83.0592, 98.7629
YIQ	227.3370, -38.0980, -14.4020

# Conversions

## Conversions Part 2

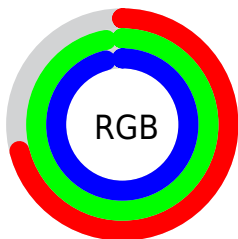
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">182, 215, 247</a>
Decimal	<a href="#">11991029</a>
CIELab	<a href="#">93.04, -20.55, -5.60</a>
CIELCh	<a href="#">93, 21.299, 195.245</a>
Yxy	<a href="#">83.0592, 0.2752, 0.3311</a>
Android (android.graphics.Color)	<a href="#">4290181109</a> ( <a href="#">0xFFB6F7F5</a> )
YUV	<a href="#">227.3370, 8.7079, -39.7605</a>
Hunter-Lab	<a href="#">91.1368, -24.2755, -0.4555</a>

# Details

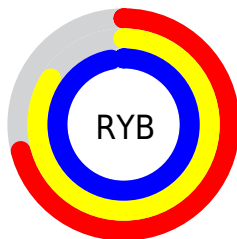
The Yxy color **83.0592, 0.2752, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.7064, 0.3676, 0.3270**, and the grayscale version is **77.0357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **45.4478, 0.2669, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **80.2683, 0.2630, 0.3320**, and if you desaturate by 10%, it is **86.3874, 0.2887, 0.3302**.

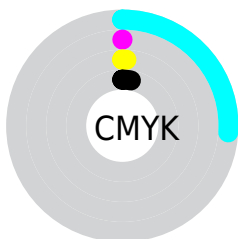
# Distribution



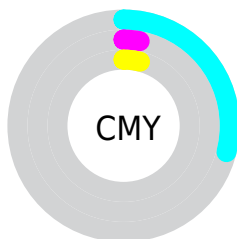
- Red (71%)
- Green (97%)
- Blue (96%)



- Red (71%)
- Yellow (84%)
- Blue (97%)



- Cyan (26%)
- Magenta (0%)
- Yellow (1%)
- Black (3%)




- Cyan (29%)
- Magenta (3%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0592, 0.2752, 0.3311 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 83.0592, 0.2752, 0.3311 by changing the saturation by 10% instead.



 83.0592, 0.2752,  
0.3311

 83.0592, 0.2752,  
0.3311


505.1838, 0.2920,  
0.3304

 62.2390, 0.2715,  
0.3312


 137.6584, 0.2809,  
0.3309

 45.2258, 0.2670,  
0.3313


172.2061, 0.2832,  
0.3308

 31.6353, 0.2614,  
0.3314


212.0985, 0.2851,  
0.3307

 21.0831, 0.2542,  
0.3315

257.7199, 0.2868,  
0.3306

 13.1848, 0.2447,  
0.3315

309.4548, 0.2884,  
0.3306

 7.5559, 0.2316,  
0.3312

367.6874, 0.2897,

 3.8121, 0.2124,

0.3305

432.8023, 0.2909,  
0.3304

0.3304

1.5690, 0.1819,  
0.3277

0.3366, 0.0000,  
0.3075

83.0592, 0.2752,  
0.3311

83.0592, 0.2752,  
0.3311

80.2683, 0.2630,  
0.3320

86.3874, 0.2887,  
0.3302

77.9768, 0.2525,  
0.3330


90.2687, 0.3032,  
0.3295


76.1576, 0.2437,  
0.3340

94.5151, 0.3177,  
0.3287

74.7770, 0.2368,  
0.3350


94.5627, 0.3172,  
0.3280

 73.7970, 0.2319,  
0.3360

 94.6105, 0.3168,  
0.3273

 73.1728, 0.2289,  
0.3370

 94.6585, 0.3163,  
0.3265

 72.8488, 0.2276,  
0.3380

 94.7067, 0.3158,  
0.3258

 72.7731, 0.2273,  
0.3384

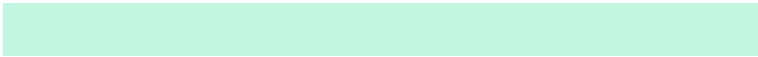
 94.7550, 0.3154,  
0.3251

 94.8036, 0.3149,  
0.3243

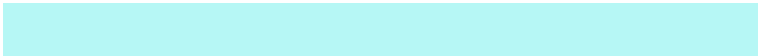
# Harmonies

## Analogous

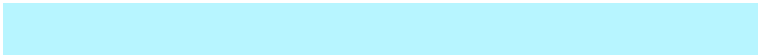
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0592, 0.2938, 0.3536



83.0592, 0.2752, 0.3311



83.0592, 0.2665, 0.3091

# Triad

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



83.0592, 0.2752, 0.3311



83.0592, 0.3060, 0.2927



83.0592, 0.3574, 0.3633

# Complementary

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



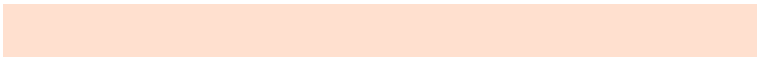
83.0592, 0.2752, 0.3311



56.7064, 0.3676, 0.3270

# 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.



83.0592, 0.3613, 0.3459



83.0592, 0.2752, 0.3311



83.0592, 0.3309, 0.3061

# Square

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



83.0592, 0.2752, 0.3311



83.0592, 0.2837, 0.2881



83.0592, 0.3514, 0.3252



83.0592, 0.3413, 0.3723

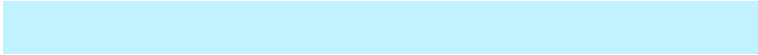


# Rectangle

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



83.0592, 0.2752, 0.3311



83.0592, 0.2672, 0.2978



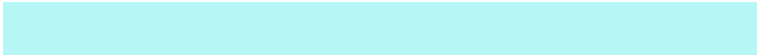
83.0592, 0.3514, 0.3252



83.0592, 0.3602, 0.3582

# Sweetspot

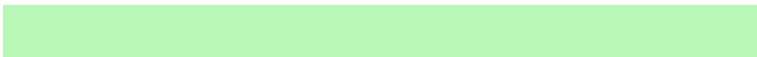
The Sweet Spot groups the original color and five complimentary colors.



83.0626, 0.2752, 0.3311



96.2934, 0.3006, 0.3296



80.1157, 0.3105, 0.4044



20.4711, 0.2984, 0.3297



0.0000, 0.0000, 0.0000

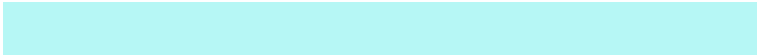


21.4041, 0.3127, 0.3290

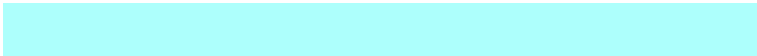


# Same Dimension

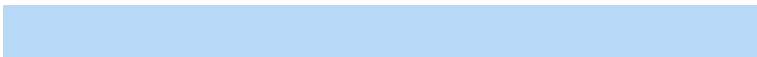
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0626, 0.2752, 0.3311



87.5076, 0.2680, 0.3316



66.1266, 0.2709, 0.2946



18.7484, 0.2985, 0.3297



38.4911, 0.2273, 0.3382



3.3857, 0.2269, 0.3370



# Inverse Universe

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



56.7064, 0.3676, 0.3270



54.4329, 0.3845, 0.3265



70.4158, 0.3612, 0.3611



16.4909, 0.3289, 0.3283



10.4706, 0.6368, 0.3282

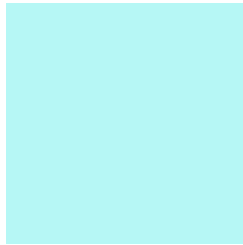


0.9231, 0.6286, 0.3237



# Previews

## White Background



This preview shows how the Yxy color 83.0592, 0.2752, 0.3311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

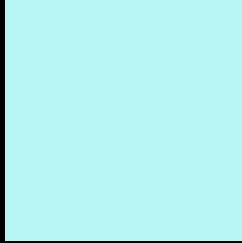
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.0592, 0.2752, 0.3311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

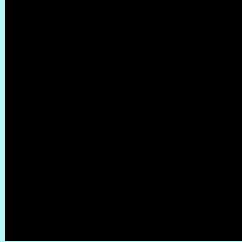
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.0592, 0.2752, 0.3311**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.0592, 0.2752, 0.3311.

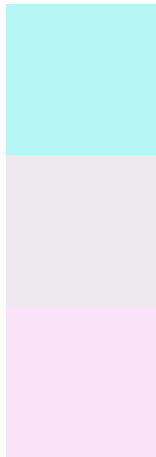


This preview shows how white text looks on a background with the Yxy color 83.0592, 0.2752, 0.3311.

# 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

83.0592, 0.2752, 0.3311

### Protanopia

82.3968, 0.3129, 0.3249

### Deuteranopia

82.1017, 0.3144, 0.3073



## Tritanopia

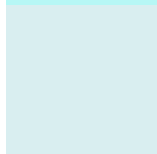
82.8271, 0.2812, 0.3142

# Trichromacy



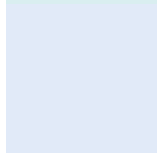
## Original Color

83.0592, 0.2752, 0.3311



## Protanomaly

82.1921, 0.2979, 0.3269



## Deuteranomaly

81.6305, 0.2983, 0.3145



## Tritanomaly

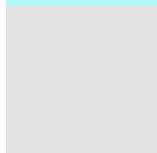
82.6683, 0.2789, 0.3203

# Monochromacy



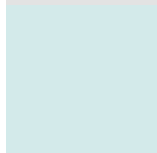
## Original Color

83.0592, 0.2752, 0.3311



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

78.6350, 0.2976, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.0592, 0.2752, 0.3311 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(182, 247, 245)` looks like.

```
.text, #text, p{  
    color:rgb(182, 247, 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(182, 247, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 247, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 83.0592, 0.2752, 0.3311 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(182, 247, 245) }
```

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

```
.border{ border-color:rgb(182, 247, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 247, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 247, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 247, 245);  
box-shadow:4px 4px 4px 4px rgb(182, 247,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.0592, 0.2752, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 247, 245) }
```

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

```
.background{ background-color: rgb(182,  
247, 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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