

# Converting Colors

$Yxy(83.0019, 0.2930, 0.3567)$

Have a look what the booklet for  
Yxy(83.0019, 0.2930, 0.3567)  
contains.

<b>Yxy(83.0019, 0.2930, 0.3567)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(83.0019, 0.2930, 0.3567)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0F7DE
RGB	192, 247, 222
RGB Percent	75%, 97%, 87%
CMY	0.2471, 0.0313, 0.1295
CMYK	0.22, 0.00, 0.10, 0.03
HSL	153°, 77%, 86%
HSV	153°, 22%, 97%
XYZ	68.1793, 83.0019, 81.5127
YIQ	227.7050, -24.7550, -19.4350

# Conversions

## Conversions Part 2

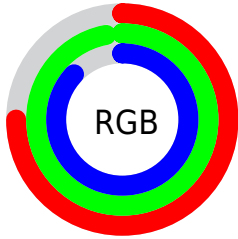
Format	Color
<b>RYB</b>	192, 228, 247
Decimal	12646366
CIELab	93.02, -22.31, 6.36
CIELCh	93, 23.197, 164.097
Yxy	83.0019, 0.2930, 0.3567
Android (android.graphics.Color)	4290836446 (0xFFC0F7DE)
YUV	227.7050, -2.8126, -31.3133
Hunter-Lab	91.1054, -25.8528, 10.7266

# Details

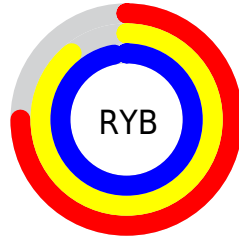
The Yxy color **83.0019, 0.2930, 0.3567** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.4849, 0.3381, 0.3029**, and the grayscale version is **77.3907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **45.0202, 0.2887, 0.3623** is the 20% darker color. If you saturate the color by 10%, you get **79.4642, 0.2850, 0.3713**, and if you desaturate by 10%, it is **87.1277, 0.3017, 0.3434**.

# Distribution



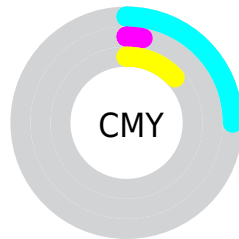
- Red (75%)
- Green (97%)
- Blue (87%)



- Red (75%)
- Yellow (89%)
- Blue (97%)



- Cyan (22%)
- Magenta (0%)
- Yellow (10%)
- Black (3%)




- Cyan (25%)
- Magenta (3%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0019, 0.2930, 0.3567 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 83.0019, 0.2930, 0.3567 by changing the saturation by 10% instead.





 83.0019, 0.2930,  
0.3567

 83.0019, 0.2930,  
0.3567


504.9929, 0.3020,  
0.3439

 62.1917, 0.2910,  
0.3596

 137.5781, 0.2961,  
0.3523

 45.1876, 0.2884,  
0.3632


172.1130, 0.2973,  
0.3505

 31.6052, 0.2853,  
0.3678

211.9915, 0.2984,  
0.3491

 21.0602, 0.2811,  
0.3737

257.5980, 0.2993,  
0.3478

 13.1680, 0.2756,  
0.3818

309.3171, 0.3001,  
0.3466

 7.5443, 0.2676,  
0.3935

367.5329, 0.3008,

 3.8048, 0.2554,

0.3456

0.4118

432.6301, 0.3015,  
0.3447

■ 1.5650, 0.2341,  
0.4442

■ 0.3338, 0.0000,  
1.0000

■ 83.0019, 0.2930,  
0.3567

■ 83.0019, 0.2930,  
0.3567

■ 79.4642, 0.2850,  
0.3713

■ 87.1277, 0.3017,  
0.3434

■ 76.4767, 0.2778,  
0.3871

■ 91.8573, 0.3107,  
0.3315

■ 74.0125, 0.2719,  
0.4040

■ 95.0071, 0.3131,  
0.3214

■ 72.0386, 0.2677,  
0.4216

■ 70.5181, 0.2652,  
0.4397

■ 69.4082, 0.2649,  
0.4577

■ 68.6579, 0.2665,  
0.4752

■ 68.2647, 0.2689,  
0.4882

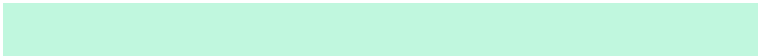
# Harmonies

## Analogous

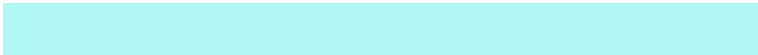
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0019, 0.3193, 0.3731



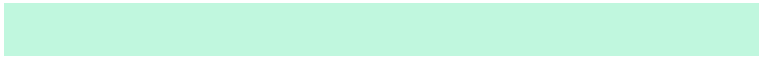
83.0019, 0.2930, 0.3567



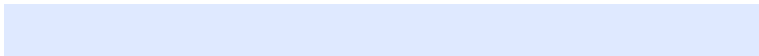
83.0019, 0.2725, 0.3322

# Triad

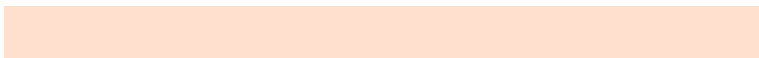
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0019, 0.2930, 0.3567



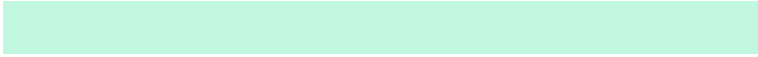
83.0019, 0.2804, 0.2846



83.0019, 0.3655, 0.3464

# Complementary

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



83.0019, 0.2930, 0.3567



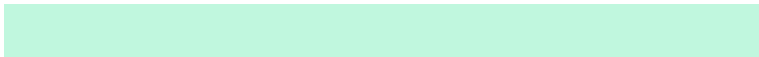
62.4849, 0.3381, 0.3029

# 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.



83.0019, 0.3542, 0.3239



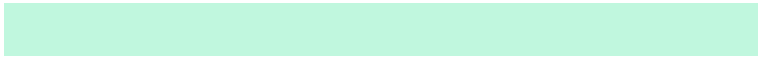
83.0019, 0.2930, 0.3567



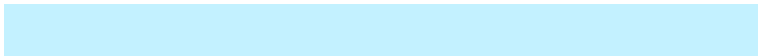
83.0019, 0.3043, 0.2893

# Square

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



83.0019, 0.2930, 0.3567



83.0019, 0.2655, 0.2910



83.0019, 0.3315, 0.3034

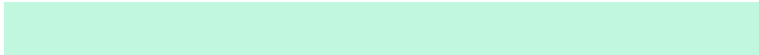


83.0019, 0.3618, 0.3656



# Rectangle

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



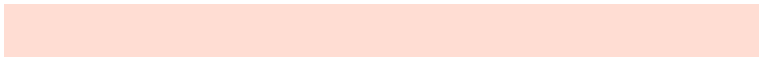
83.0019, 0.2930, 0.3567



83.0019, 0.2646, 0.3155



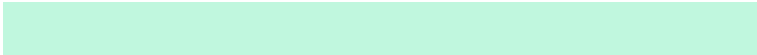
83.0019, 0.3315, 0.3034



83.0019, 0.3633, 0.3390

# Sweetspot

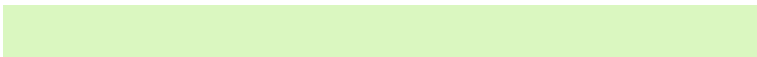
The Sweet Spot groups the original color and five complimentary colors.



83.0054, 0.2930, 0.3567



96.2581, 0.3064, 0.3370



85.1871, 0.3264, 0.3884



20.5374, 0.3058, 0.3377



0.0000, 0.0000, 0.0000

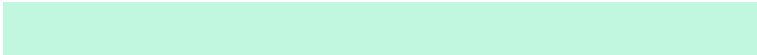


21.4041, 0.3127, 0.3290

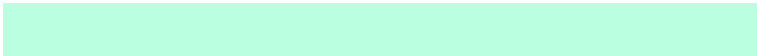


# Same Dimension

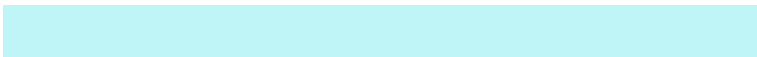
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0054, 0.2930, 0.3567



87.3415, 0.2891, 0.3635



83.3328, 0.2795, 0.3269



18.6231, 0.3041, 0.3400



36.1290, 0.2682, 0.4854



3.1961, 0.2622, 0.4641



# Inverse Universe

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



62.4849, 0.3381, 0.3029



61.4762, 0.3451, 0.2970



62.0893, 0.3580, 0.3311



16.6080, 0.3222, 0.3183



11.1094, 0.5150, 0.2611

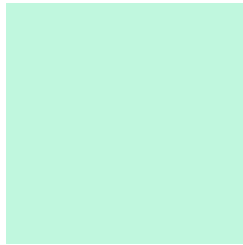


0.9969, 0.4845, 0.2443



# Previews

## White Background



This preview shows how the Yxy color 83.0019, 0.2930, 0.3567 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

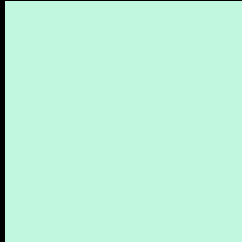
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.0019, 0.2930, 0.3567 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

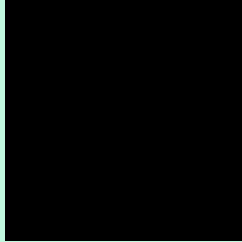
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

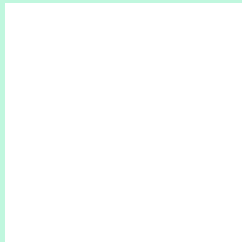
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.0019, 0.2930, 0.3567**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.0019, 0.2930, 0.3567.

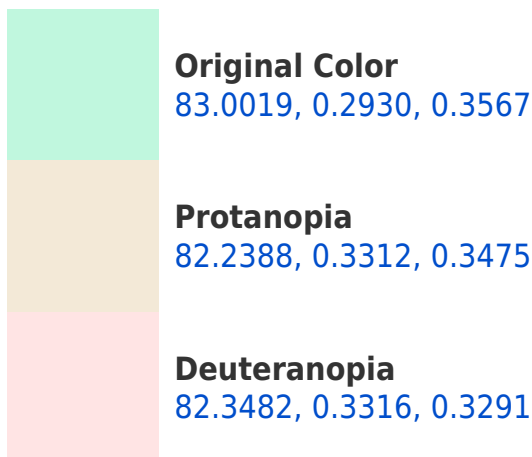


This preview shows how white text looks on a background with the Yxy color 83.0019, 0.2930, 0.3567.

# 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

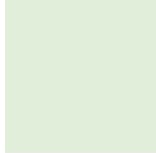
82.9501, 0.2840, 0.3132

# Trichromacy



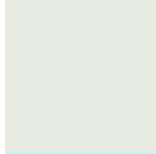
## Original Color

83.0019, 0.2930, 0.3567



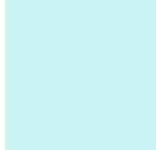
## Protanomaly

82.0583, 0.3157, 0.3502



## Deuteranomaly

82.0635, 0.3163, 0.3384



## Tritanomaly

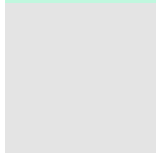
83.1288, 0.2872, 0.3289

# Monochromacy



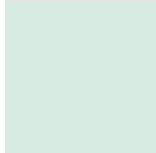
## Original Color

83.0019, 0.2930, 0.3567



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

79.3547, 0.3050, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.0019, 0.2930, 0.3567 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(192, 247, 222)` looks like.

```
.text, #text, p{  
    color:rgb(192, 247, 222)  
}
```

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(192, 247, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 247, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 83.0019, 0.2930, 0.3567 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(192, 247, 222) }
```

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

```
.border{ border-color:rgb(192, 247, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 247, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 247, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 247, 222);  
box-shadow:4px 4px 4px 4px rgb(192, 247,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.0019, 0.2930, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 247, 222) }
```

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

```
.background{ background-color: rgb(192,  
247, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor