

# Converting Colors

Yxy(83.4932, 0.2896, 0.3509)

Have a look what the booklet for  
Yxy(83.4932, 0.2896, 0.3509)  
contains.

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# Color

**Yxy(83.1993, 0.2891, 0.3499)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFF7E4
RGB	191, 247, 228
RGB Percent	75%, 97%, 89%
CMY	0.2512, 0.0313, 0.1059
CMYK	0.23, 0.00, 0.08, 0.03
HSL	160°, 78%, 86%
HSV	160°, 23%, 97%
XYZ	68.7423, 83.1993, 85.8387
YIQ	228.0900, -27.2770, -17.7810

# Conversions

## Conversions Part 2

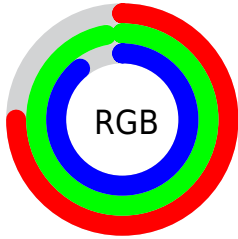
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 225, 247
Decimal	12580836
CIE <sub>Lab</sub>	93.10, -21.45, 3.35
CIE <sub>LCh</sub>	93, 21.713, 171.130
Yxy	83.1993, 0.2891, 0.3499
Android (android.graphics.Color)	4290770916 (0xFFBFF7E4)
YUV	228.0900, -0.0444, -32.5279
Hunter-Lab	91.2137, -25.0991, 8.0534

# Details

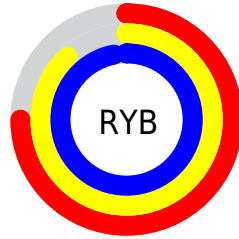
The Yxy color **83.1993, 0.2891, 0.3499** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.6707, 0.3439, 0.3091**, and the grayscale version is **77.6639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **45.5130, 0.2833, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **79.8126, 0.2797, 0.3606**, and if you desaturate by 10%, it is **87.1554, 0.2992, 0.3401**.

# Distribution



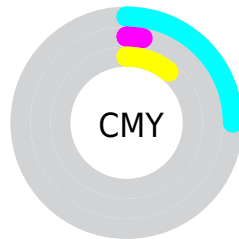
- Red (75%)
- Green (97%)
- Blue (89%)



- Red (75%)
- Yellow (88%)
- Blue (97%)



- Cyan (23%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)




- Cyan (25%)
- Magenta (3%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1993, 0.2891, 0.3499 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 83.1993, 0.2891, 0.3499 by changing the saturation by 10% instead.




 83.1993, 0.2891,  
0.3499

 83.1993, 0.2891,  
0.3499


505.6505, 0.2998,  
0.3403

 62.3546, 0.2867,  
0.3521


 137.8546, 0.2928,  
0.3466

 45.3193, 0.2838,  
0.3547


172.4339, 0.2942,  
0.3453

 31.7090, 0.2801,  
0.3581

212.3602, 0.2955,  
0.3442

 21.1393, 0.2753,  
0.3624

258.0179, 0.2966,  
0.3432

 13.2259, 0.2689,  
0.3683

309.7914, 0.2975,  
0.3424

 7.5843, 0.2598,  
0.3767

368.0651, 0.2984,

 3.8301, 0.2462,

0.3416

0.3897

433.2233, 0.2991,  
0.3409

■ 1.5790, 0.2231,  
0.4121

■ 0.3434, 0.0000,  
0.7106

■ 83.1993, 0.2891,  
0.3499

■ 83.1993, 0.2891,  
0.3499

■ 79.8126, 0.2797,  
0.3606

■ 87.1554, 0.2992,  
0.3401

■ 76.9576, 0.2715,  
0.3722

■ 91.6962, 0.3098,  
0.3312

■ 74.6080, 0.2646,  
0.3844

■ 94.8905, 0.3142,  
0.3232

■ 72.7311, 0.2594,  
0.3972

■ 95.0102, 0.3131,  
0.3214

■ 71.2901, 0.2561,  
0.4104

■ 70.2429, 0.2549,  
0.4236

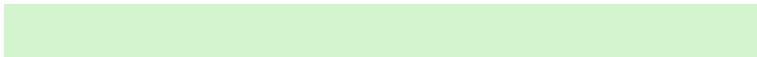
■ 69.5381, 0.2557,  
0.4367

■ 69.1839, 0.2572,  
0.4460

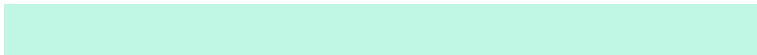
# Harmonies

## Analogous

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



83.1993, 0.3130, 0.3676



83.1993, 0.2891, 0.3499



83.1993, 0.2719, 0.3264

# Triad

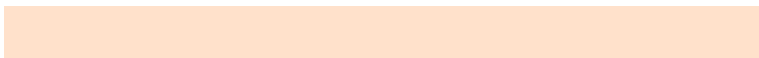
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1993, 0.2891, 0.3499



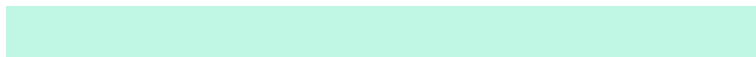
83.1993, 0.2871, 0.2875



83.1993, 0.3625, 0.3501

# Complementary

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



83.1993, 0.2891, 0.3499



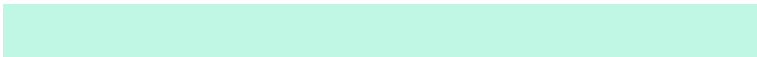
61.6707, 0.3439, 0.3091

# 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.



83.1993, 0.3552, 0.3293



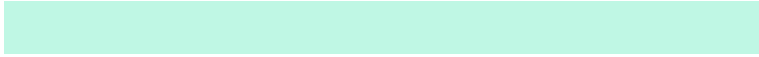
83.1993, 0.2891, 0.3499



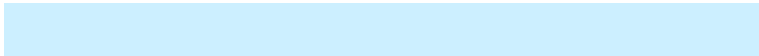
83.1993, 0.3108, 0.2941

# Square

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



83.1993, 0.2891, 0.3499



83.1993, 0.2708, 0.2911



83.1993, 0.3359, 0.3092



83.1993, 0.3559, 0.3666

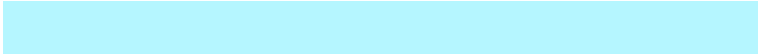


# Rectangle

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



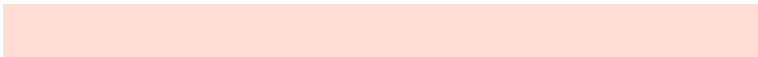
83.1993, 0.2891, 0.3499



83.1993, 0.2662, 0.3114



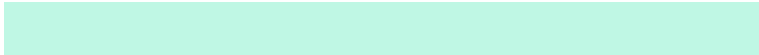
83.1993, 0.3359, 0.3092



83.1993, 0.3616, 0.3434

# Sweetspot

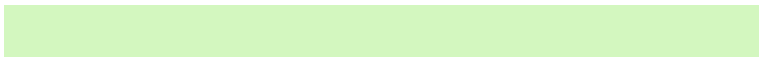
The Sweet Spot groups the original color and five complimentary colors.



83.2027, 0.2891, 0.3499



96.3866, 0.3052, 0.3349



84.0763, 0.3223, 0.3905



20.5672, 0.3046, 0.3355



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

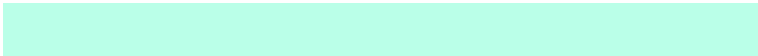


# Same Dimension

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



83.2027, 0.2891, 0.3499



87.7845, 0.2849, 0.3545



79.2893, 0.2783, 0.3197



18.6567, 0.3026, 0.3371



36.6120, 0.2566, 0.4439



3.2370, 0.2521, 0.4277



# Inverse Universe

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



61.6707, 0.3439, 0.3091



61.0690, 0.3517, 0.3051



64.5515, 0.3575, 0.3381



16.5752, 0.3240, 0.3210



10.8181, 0.5620, 0.2870

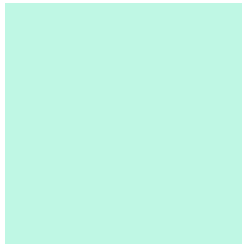


0.9692, 0.5271, 0.2677



# Previews

## White Background



This preview shows how the Yxy color 83.1993, 0.2891, 0.3499 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

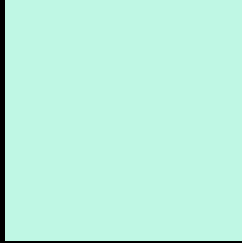
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.1993, 0.2891, 0.3499 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

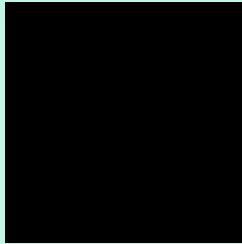
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

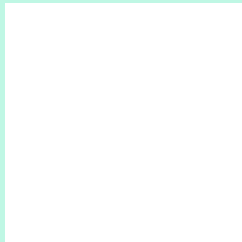
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.1993, 0.2891, 0.3499**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.1993, 0.2891, 0.3499.

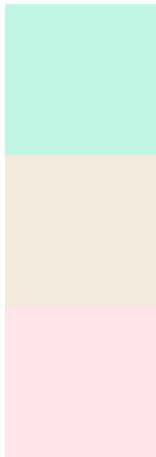


This preview shows how white text looks on a background with the Yxy color 83.1993, 0.2891, 0.3499.

# 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

83.1993, 0.2891, 0.3499

### Protanopia

82.9433, 0.3264, 0.3423

### Deuteranopia

82.5730, 0.3289, 0.3251



## Tritanopia

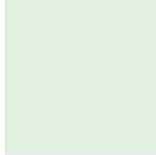
82.9501, 0.2840, 0.3132

# Trichromacy



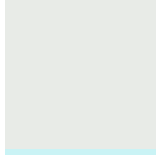
## Original Color

83.1993, 0.2891, 0.3499



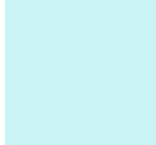
## Protanomaly

82.8028, 0.3113, 0.3448



## Deuteranomaly

82.3420, 0.3132, 0.3331



## Tritanomaly

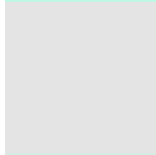
83.2503, 0.2861, 0.3268

# Monochromacy



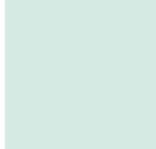
## Original Color

83.1993, 0.2891, 0.3499



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

79.4652, 0.3038, 0.3365

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.1993, 0.2891, 0.3499 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(191, 247, 228)` looks like.

```
.text, #text, p{  
    color:rgb(191, 247, 228)  
}
```

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(191, 247, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 247, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 83.1993, 0.2891, 0.3499 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(191, 247, 228) }
```

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

```
.border{ border-color:rgb(191, 247, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 247, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 247, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 247, 228);  
box-shadow:4px 4px 4px 4px rgb(191, 247,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.1993, 0.2891, 0.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 247, 228) }
```

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

```
.background{ background-color: rgb(191,  
247, 228) }
```

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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