

Converting Colors

$Yxy(83.7458, 0.3197, 0.3837)$

Have a look what the booklet for
Yxy(83.7458, 0.3197, 0.3837)
contains.

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Color

Yxy(83.7459, 0.3198, 0.3837)

Conversions

Conversions Part 1

Format	Color
Hex	D3F6C4
RGB	211, 246, 196
RGB Percent	83%, 96%, 77%
CMY	0.1723, 0.0353, 0.2313
CMYK	0.14, 0.00, 0.20, 0.04
HSL	102°, 73%, 87%
HSV	102°, 20%, 96%
XYZ	69.7992, 83.7459, 64.7137
YIQ	229.8350, -4.8100, -22.9700

Conversions

Conversions Part 2

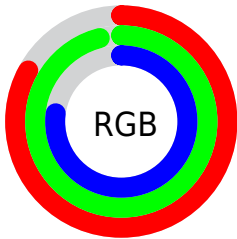
Format	Color
RYB	196, 246, 231
Decimal	13891268
CIELab	93.34, -20.19, 20.36
CIELCh	93, 28.677, 134.759
Yxy	83.7459, 0.3198, 0.3837
Android (android.graphics.Color)	4292081348 (0xFFD3F6C4)
YUV	229.8350, -16.6807, -16.5183
Hunter-Lab	91.5128, -24.0008, 22.1317

Details

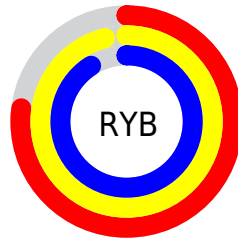
The Yxy color **83.7459, 0.3198, 0.3837** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.1126, 0.3038, 0.2767**, and the grayscale version is **79.1417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **45.8478, 0.3208, 0.3975** is the 20% darker color. If you saturate the color by 10%, you get **80.3145, 0.3228, 0.4144**, and if you desaturate by 10%, it is **87.6396, 0.3164, 0.3554**.

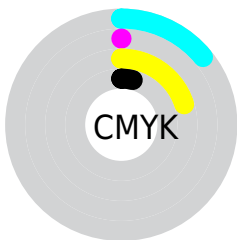
Distribution



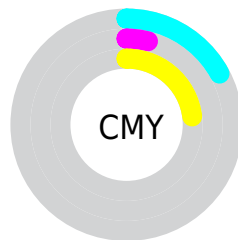
- Red (83%)
- Green (96%)
- Blue (77%)



- Red (77%)
- Yellow (96%)
- Blue (91%)



- Cyan (14%)
- Magenta (0%)
- Yellow (20%)
- Black (4%)



- Cyan (17%)
- Magenta (4%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7459, 0.3198, 0.3837 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 83.7459, 0.3198, 0.3837 by changing the saturation by 10% instead.

83.7459, 0.3198,
0.3837

83.7459, 0.3198,
0.3837

507.4691, 0.3170,
0.3582

62.8057, 0.3203,
0.3895

138.6197, 0.3189,
0.3748

45.6840, 0.3209,
0.3968

173.3220, 0.3186,
0.3714

31.9965, 0.3215,
0.4060

213.3805, 0.3183,
0.3684

21.3589, 0.3221,
0.4180

259.1795, 0.3180,
0.3659

13.3866, 0.3226,
0.4344

311.1035, 0.3177,
0.3636

7.6953, 0.3227,
0.4579

369.5368, 0.3175,

3.9006, 0.3212,

0.3616

0.4943

434.8639, 0.3172,
0.3598

■ 1.6181, 0.3361,
0.5960

■ 0.3698, 0.0000,
1.0000

■ 83.7459, 0.3198,
0.3837

■ 83.7459, 0.3198,
0.3837

■ 80.3145, 0.3228,
0.4144

■ 87.6396, 0.3164,
0.3554

■ 77.3170, 0.3251,
0.4467

■ 92.0011, 0.3128,
0.3298

■ 74.7385, 0.3265,
0.4796

■ 94.3841, 0.3131,
0.3204

■ 72.5590, 0.3266,
0.5112

■ 70.7566, 0.3252,
0.5397

■ 69.3069, 0.3223,
0.5630

■ 68.1823, 0.3180,
0.5796

■ 67.3656, 0.3132,
0.5895

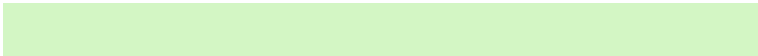
Harmonies

Analogous

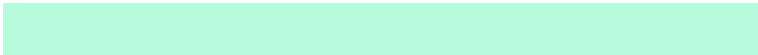
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7459, 0.3512, 0.3872



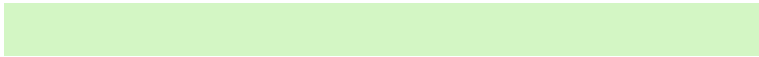
83.7459, 0.3198, 0.3837



83.7459, 0.2876, 0.3628

Triad

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



83.7459, 0.3198, 0.3837



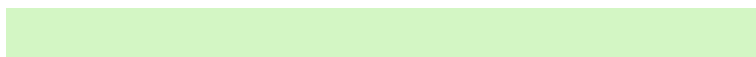
83.7459, 0.2553, 0.2819



83.7459, 0.3645, 0.3231

Complementary

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



83.7459, 0.3198, 0.3837



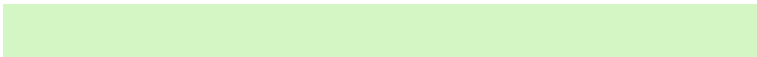
63.1126, 0.3038, 0.2767

Split Complementary

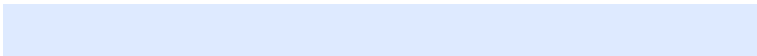
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7459, 0.3364, 0.2983



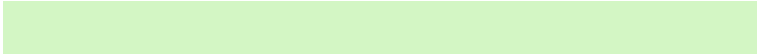
83.7459, 0.3198, 0.3837



83.7459, 0.2735, 0.2748

Square

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



83.7459, 0.3198, 0.3837



83.7459, 0.2515, 0.3021



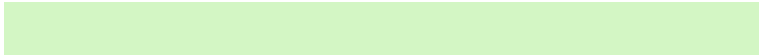
83.7459, 0.3029, 0.2810



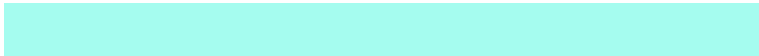
83.7459, 0.3781, 0.3504

Rectangle

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



83.7459, 0.3198, 0.3837



83.7459, 0.2700, 0.3427



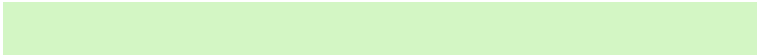
83.7459, 0.3029, 0.2810



83.7459, 0.3564, 0.3142

Sweetspot

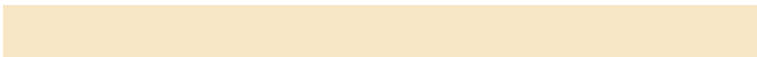
The Sweet Spot groups the original color and five complimentary colors.



83.7495, 0.3198, 0.3837



97.0823, 0.3149, 0.3440



80.2596, 0.3464, 0.3644



20.7141, 0.3151, 0.3457



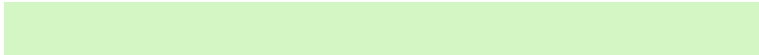
0.0000, 0.0000, 0.0000



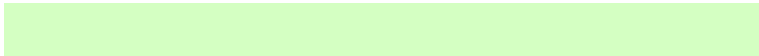
21.4041, 0.3127, 0.3290

Same Dimension

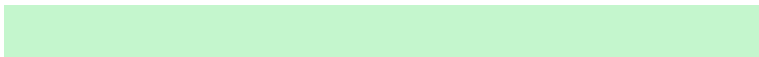
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7495, 0.3198, 0.3837



89.4397, 0.3210, 0.3949



82.0569, 0.3048, 0.3747



18.7141, 0.3161, 0.3531



36.0249, 0.3142, 0.5887



3.2176, 0.3234, 0.5814

Inverse Universe

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



63.1126, 0.3038, 0.2767



63.6424, 0.3018, 0.2665



65.1782, 0.3217, 0.2873



16.5030, 0.3090, 0.3053



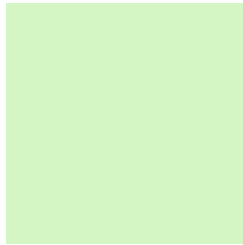
8.3008, 0.2459, 0.1128



0.7830, 0.2555, 0.1181

Previews

White Background



This preview shows how the Yxy color 83.7459, 0.3198, 0.3837 looks on a white background.

Color Contrast Check

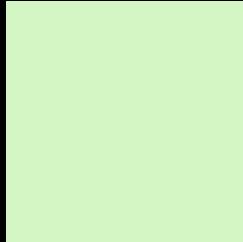
Large Text (above 18pt) WCAG AA × Fail

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 83.7459, 0.3198, 0.3837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

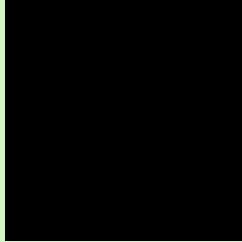
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

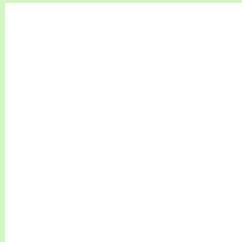
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7459, 0.3198, 0.3837

Background



This preview shows how black text looks on a background with the Yxy color 83.7459, 0.3198, 0.3837.

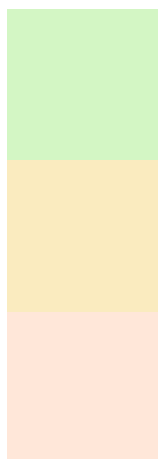


This preview shows how white text looks on a background with the Yxy color 83.7459, 0.3198, 0.3837.

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

83.7459, 0.3198, 0.3837

Protanopia

83.5022, 0.3517, 0.3739

Deuteranopia

83.4216, 0.3386, 0.3431



Tritanopia

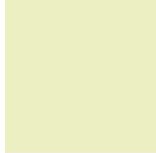
83.8987, 0.2924, 0.3115

Trichromacy



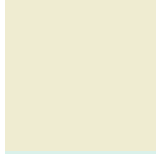
Original Color

83.7459, 0.3198, 0.3837



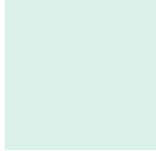
Protanomaly

83.4161, 0.3396, 0.3773



Deuteranomaly

82.9451, 0.3319, 0.3570



Tritanomaly

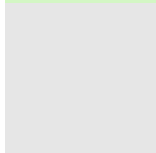
83.7565, 0.3021, 0.3363

Monochromacy



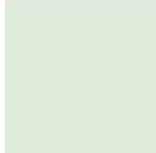
Original Color

83.7459, 0.3198, 0.3837



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

80.7408, 0.3152, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7459, 0.3198, 0.3837 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(211, 246, 196)` looks like.

```
.text, #text, p{  
    color:rgb(211, 246, 196)  
}
```

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(211, 246, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 246, 196) }
```

Border

The CSS property to change the border of an element to Yxy 83.7459, 0.3198, 0.3837 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(211, 246, 196) }
```

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

```
.border{ border-color:rgb(211, 246, 196) }
```

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

Here you see how a box with a 4 pixel rgb(211, 246, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 246, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 246, 196);  
box-shadow:4px 4px 4px 4px rgb(211, 246,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7459, 0.3198, 0.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 246, 196) }
```

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

```
.background{ background-color: rgb(211,  
246, 196) }
```

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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