

Converting Colors

$Yxy(83.0688, 0.3218, 0.4028)$

Have a look what the booklet for
Yxy(83.0688, 0.3218, 0.4028)
contains.

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Color

Yxy(83.0688, 0.3218, 0.4028)

Conversions

Conversions Part 1

Format	Color
Hex	CAF8B6
RGB	202, 248, 182
RGB Percent	79%, 97%, 71%
CMY	0.2079, 0.0274, 0.2862
CMYK	0.19, 0.00, 0.27, 0.03
HSL	102°, 83%, 84%
HSV	102°, 27%, 97%
XYZ	66.3643, 83.0688, 56.7953
YIQ	226.7220, -6.2300, -30.2780

Conversions

Conversions Part 2

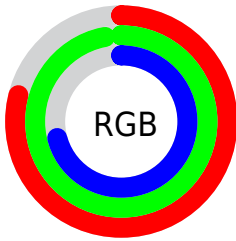
Format	Color
RYB	182, 248, 228
Decimal	13301942
CIELab	93.04, -26.44, 27.01
CIELCh	93, 37.801, 134.390
Yxy	83.0688, 0.3218, 0.4028
Android (android.graphics.Color)	4291492022 (0xFFCAF8B6)
YUV	226.7220, -22.0479, -21.6812
Hunter-Lab	91.1421, -29.5255, 26.8528

Details

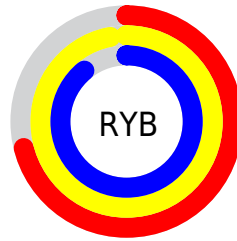
The Yxy color **83.0688, 0.3218, 0.4028** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.7374, 0.3003, 0.2594**, and the grayscale version is **76.7698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **45.0496, 0.3227, 0.4198** is the 20% darker color. If you saturate the color by 10%, you get **79.8573, 0.3244, 0.4347**, and if you desaturate by 10%, it is **86.7395, 0.3186, 0.3729**.

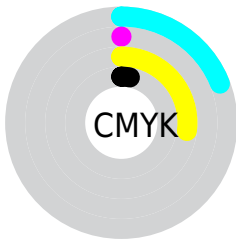
Distribution



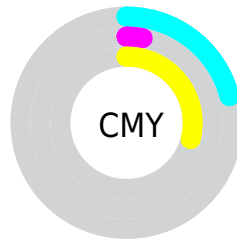
- Red (79%)
- Green (97%)
- Blue (71%)



- Red (71%)
- Yellow (97%)
- Blue (89%)



- Cyan (19%)
- Magenta (0%)
- Yellow (27%)
- Black (3%)





- Cyan (21%)
- Magenta (3%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.0688, 0.3218, 0.4028 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 83.0688, 0.3218, 0.4028 by changing the saturation by 10% instead.


 83.0688, 0.3218,
0.4028

 83.0688, 0.3218,
0.4028

505.2158, 0.3185,
0.3681

 62.2469, 0.3223,
0.4108


 137.6718, 0.3208,
0.3907

 45.2322, 0.3228,
0.4208


172.2217, 0.3204,
0.3860

 31.6404, 0.3233,
0.4334


212.1164, 0.3200,
0.3819

 21.0870, 0.3236,
0.4500

257.7404, 0.3197,
0.3784

 13.1876, 0.3233,
0.4727

309.4778, 0.3193,
0.3754

 7.5579, 0.3215,
0.5051

367.7133, 0.3190,

 3.8134, 0.3158,

0.3727

0.5548

432.8312, 0.3188,
0.3703

1.5697, 0.3166,
0.6834

0.3371, 0.0000,
1.0000

83.0688, 0.3218,
0.4028

83.0688, 0.3218,
0.4028

79.8573, 0.3244,
0.4347

86.7395, 0.3186,
0.3729

77.0757, 0.3262,
0.4675

90.8760, 0.3151,
0.3456

74.7079, 0.3268,
0.4998

95.4070, 0.3123,
0.3223

72.7322, 0.3260,
0.5297

95.6209, 0.3130,
0.3223

■ 71.1251, 0.3236,
0.5551

■ 69.8597, 0.3198,
0.5743

■ 68.9044, 0.3149,
0.5864

■ 68.6386, 0.3133,
0.5895

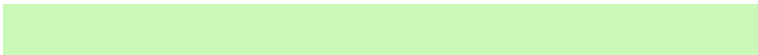
Harmonies

Analogous

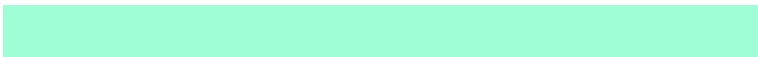
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0688, 0.3632, 0.4060



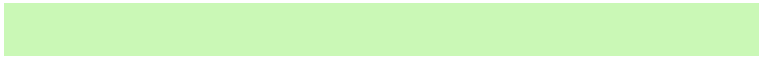
83.0688, 0.3218, 0.4028



83.0688, 0.2797, 0.3748

Triad

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



83.0688, 0.3218, 0.4028



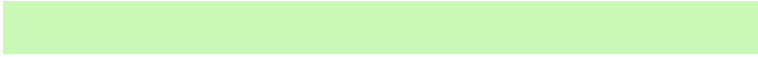
83.0688, 0.2379, 0.2672



83.0688, 0.3810, 0.3201

Complementary

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



83.0688, 0.3218, 0.4028



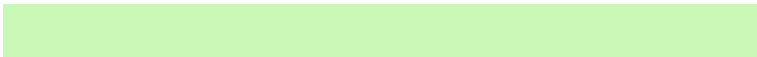
56.7374, 0.3003, 0.2594

Split Complementary

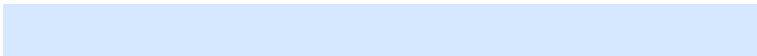
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0688, 0.3432, 0.2887



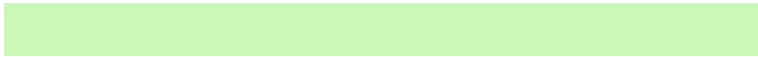
83.0688, 0.3218, 0.4028



83.0688, 0.2609, 0.2587

Square

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



83.0688, 0.3218, 0.4028



83.0688, 0.2333, 0.2931



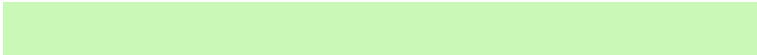
83.0688, 0.2988, 0.2667



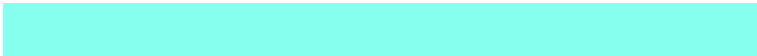
83.0688, 0.3993, 0.3552

Rectangle

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



83.0688, 0.3218, 0.4028



83.0688, 0.2569, 0.3473



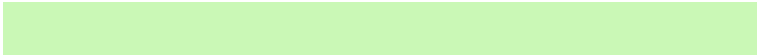
83.0688, 0.2988, 0.2667



83.0688, 0.3700, 0.3089

Sweetspot

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



83.0724, 0.3218, 0.4028



96.1559, 0.3156, 0.3492



78.3340, 0.3582, 0.3758



20.4345, 0.3161, 0.3532



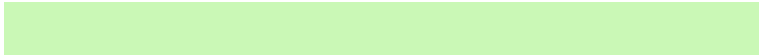
0.0000, 0.0000, 0.0000



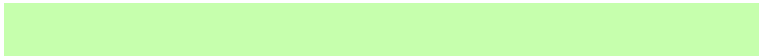
21.4041, 0.3127, 0.3290

Same Dimension

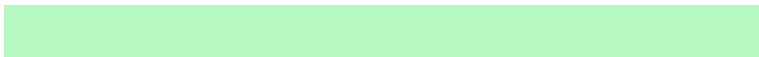
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0724, 0.3218, 0.4028



86.5709, 0.3233, 0.4199



80.9869, 0.3024, 0.3912



19.5638, 0.3161, 0.3532



37.1390, 0.3143, 0.5887



3.4925, 0.3229, 0.5818

Inverse Universe

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



56.7374, 0.3003, 0.2594



54.1349, 0.2970, 0.2444



59.4684, 0.3251, 0.2739



17.2456, 0.3089, 0.3053



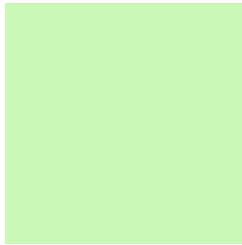
8.5345, 0.2455, 0.1126



0.8458, 0.2547, 0.1177

Previews

White Background



This preview shows how the Yxy color 83.0688, 0.3218, 0.4028 looks on a white background.

Color Contrast Check

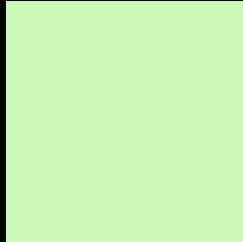
Large Text (above 18pt) WCAG AA × Fail

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 83.0688, 0.3218, 0.4028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

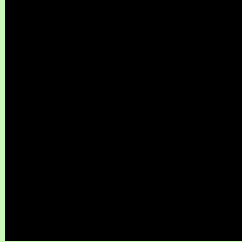
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

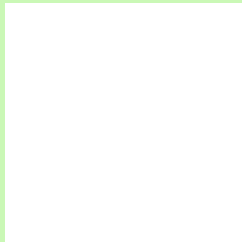
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0688, 0.3218, 0.4028

Background



This preview shows how black text looks on a background with the Yxy color 83.0688, 0.3218, 0.4028.

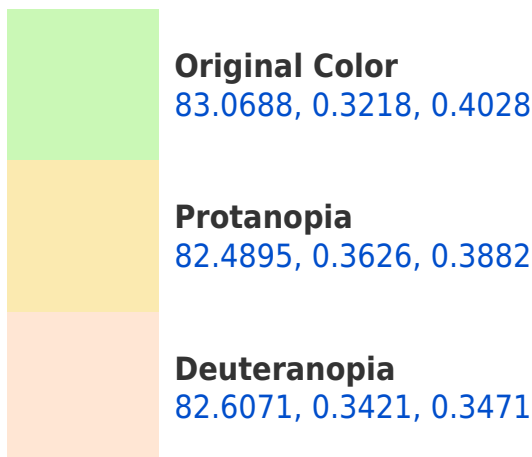


This preview shows how white text looks on a background with the Yxy color 83.0688, 0.3218, 0.4028.

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

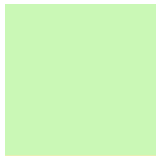




Tritanopia

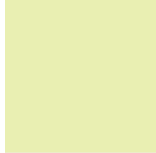
82.9680, 0.2887, 0.3113

Trichromacy



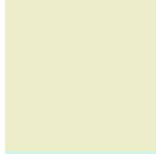
Original Color

83.0688, 0.3218, 0.4028



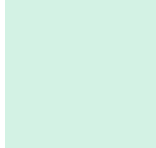
Protanomaly

82.2710, 0.3470, 0.3937



Deuteranomaly

82.6183, 0.3348, 0.3668



Tritanomaly

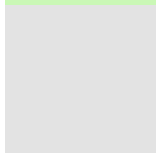
82.9546, 0.3011, 0.3440

Monochromacy



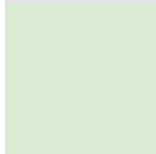
Original Color

83.0688, 0.3218, 0.4028



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.0252, 0.3162, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0688, 0.3218, 0.4028 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(202, 248, 182)` looks like.

```
.text, #text, p{  
    color:rgb(202, 248, 182)  
}
```

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(202, 248, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 248, 182) }
```

Border

The CSS property to change the border of an element to Yxy 83.0688, 0.3218, 0.4028 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(202, 248, 182) }
```

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

```
.border{ border-color:rgb(202, 248, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 248, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 248, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 248, 182);  
box-shadow:4px 4px 4px 4px rgb(202, 248,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0688, 0.3218, 0.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 248, 182) }
```

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

```
.background{ background-color: rgb(202,  
248, 182) }
```

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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