

Converting Colors

$Yxy(82.9830, 0.3054, 0.3894)$

Have a look what the booklet for
Yxy(82.9830, 0.3054, 0.3894)
contains.

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Color

Yxy(83.1756, 0.3056, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	BDFAC4
RGB	189, 250, 196
RGB Percent	74%, 98%, 77%
CMY	0.2587, 0.0196, 0.2314
CMYK	0.24, 0.00, 0.22, 0.02
HSL	127°, 86%, 86%
HSV	127°, 24%, 98%
XYZ	65.1421, 83.1756, 64.8437
YIQ	225.6050, -19.0220, -29.7260

Conversions

Conversions Part 2

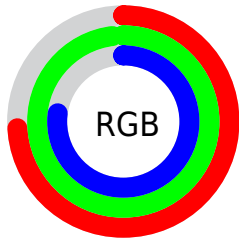
Format	Color
R _{YB}	189, 244, 250
Decimal	12450500
CIE _{Lab}	93.09, -29.38, 19.82
CIE _{LCh}	93, 35.444, 145.998
Y _{xy}	83.1756, 0.3056, 0.3902
Android (android.graphics.Color)	4290640580 (0xFFBDFAC4)
YUV	225.6050, -14.5953, -32.1026
Hunter-Lab	91.2007, -32.1035, 21.6852

Details

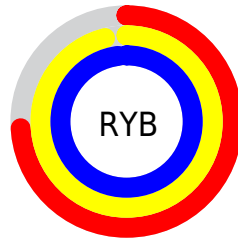
The Yxy color **83.1756, 0.3056, 0.3902** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.2085, 0.3207, 0.2746**, and the grayscale version is **75.8777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2047, 0.3083, 0.3309**, and **45.1613, 0.3031, 0.4051** is the 20% darker color. If you saturate the color by 10%, you get **79.3168, 0.3027, 0.4203**, and if you desaturate by 10%, it is **87.7413, 0.3086, 0.3629**.

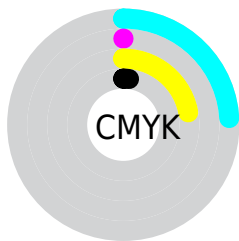
Distribution



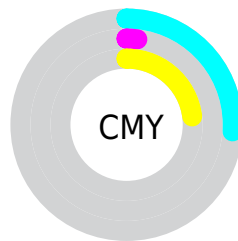
- Red (74%)
- Green (98%)
- Blue (77%)



- Red (74%)
- Yellow (96%)
- Blue (98%)



- Cyan (24%)
- Magenta (0%)
- Yellow (22%)
- Black (2%)





- Cyan (26%)
- Magenta (2%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1756, 0.3056, 0.3902 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 83.1756, 0.3056, 0.3902 by changing the saturation by 10% instead.


 83.1756, 0.3056,
0.3902

 83.1756, 0.3056,
0.3902


505.5716, 0.3094,
0.3614

 62.3350, 0.3046,
0.3969

 137.8214, 0.3070,
0.3801

 45.3035, 0.3033,
0.4052


172.3954, 0.3075,
0.3762

 31.6965, 0.3016,
0.4158


212.3159, 0.3080,
0.3729

 21.1298, 0.2991,
0.4298


257.9675, 0.3084,
0.3700

 13.2189, 0.2955,
0.4490

309.7345, 0.3087,
0.3674

 7.5795, 0.2896,
0.4771

368.0012, 0.3090,

 3.8271, 0.2789,

0.3652

0.5214

433.1521, 0.3092,
0.3632

■ 1.5773, 0.2717,
0.6492

■ 0.3422, 0.0000,
1.0000

■ 83.1756, 0.3056,
0.3902

■ 83.1756, 0.3056,
0.3902

■ 79.3168, 0.3027,
0.4203

■ 87.7413, 0.3086,
0.3629


■ 76.1197, 0.3001,
0.4525

■ 93.0357, 0.3115,
0.3387


■ 73.5500, 0.2980,
0.4856


■ 96.8500, 0.3129,
0.3242

■ 71.5661, 0.2965,
0.5177

 70.1215, 0.2959,
0.5467

 69.1624, 0.2962,
0.5703

 68.6236, 0.2974,
0.5870

 68.4564, 0.2981,
0.5933

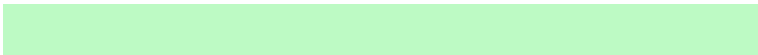
Harmonies

Analogous

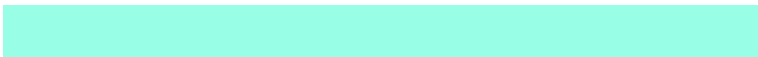
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1756, 0.3460, 0.4027



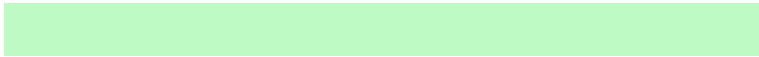
83.1756, 0.3056, 0.3902



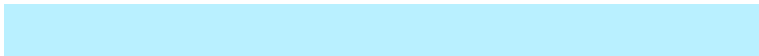
83.1756, 0.2687, 0.3574

Triad

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



83.1756, 0.3056, 0.3902



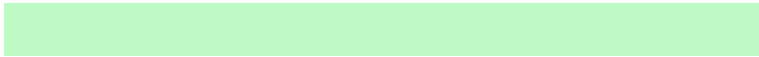
83.1756, 0.2487, 0.2659



83.1756, 0.3860, 0.3336

Complementary

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



83.1756, 0.3056, 0.3902



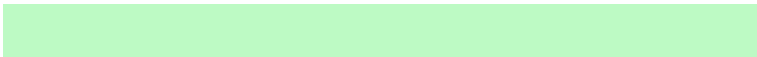
63.2085, 0.3207, 0.2746

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.



83.1756, 0.3565, 0.3018



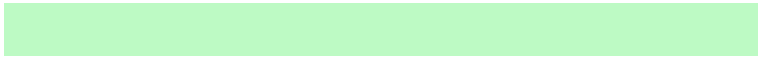
83.1756, 0.3056, 0.3902



83.1756, 0.2766, 0.2639

Square

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



83.1756, 0.3056, 0.3902



83.1756, 0.2374, 0.2842



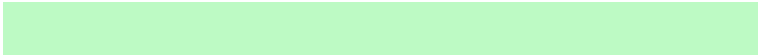
83.1756, 0.3157, 0.2770



83.1756, 0.3941, 0.3663

Rectangle

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



83.1756, 0.3056, 0.3902



83.1756, 0.2507, 0.3305



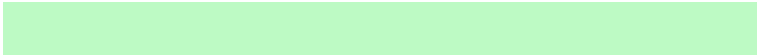
83.1756, 0.3157, 0.2770



83.1756, 0.3782, 0.3226

Sweetspot

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



83.1791, 0.3056, 0.3902



95.7935, 0.3107, 0.3447



91.2613, 0.3455, 0.3909



20.4300, 0.3105, 0.3462



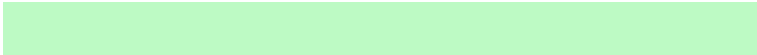
0.0000, 0.0000, 0.0000



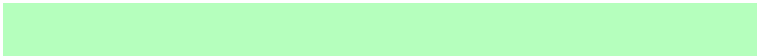
21.4041, 0.3127, 0.3290

Same Dimension

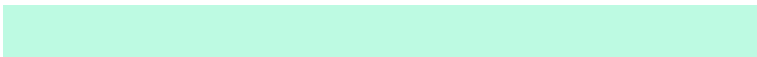
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1791, 0.3056, 0.3902



85.0454, 0.3042, 0.4039



84.6635, 0.2894, 0.3559



19.3415, 0.3100, 0.3507



36.3224, 0.2977, 0.5918



3.3742, 0.2935, 0.5765

Inverse Universe

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



63.2085, 0.3207, 0.2746



61.0161, 0.3225, 0.2641



61.5607, 0.3438, 0.3037



17.4884, 0.3156, 0.3083



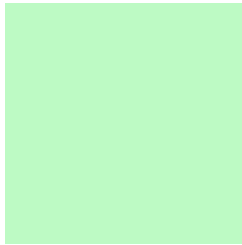
13.5762, 0.3520, 0.1713



1.2668, 0.3478, 0.1690

Previews

White Background



This preview shows how the Yxy color 83.1756, 0.3056, 0.3902 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 83.1756, 0.3056, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

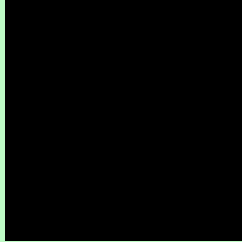
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

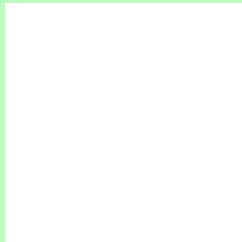
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1756, 0.3056, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 83.1756, 0.3056, 0.3902.

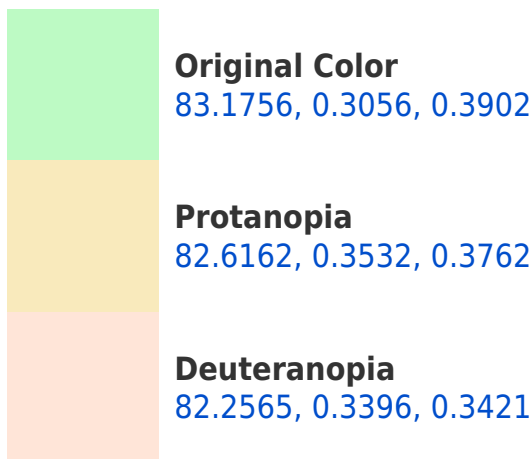


This preview shows how white text looks on a background with the Yxy color 83.1756, 0.3056, 0.3902.

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

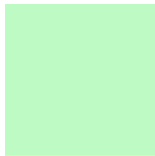




Tritanopia

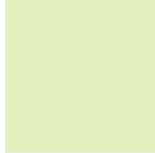
83.0955, 0.2846, 0.3133

Trichromacy



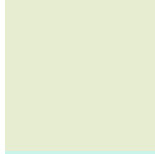
Original Color

83.1756, 0.3056, 0.3902



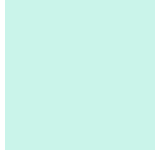
Protanomaly

82.4127, 0.3344, 0.3815



Deuteranomaly

82.1607, 0.3262, 0.3585



Tritanomaly

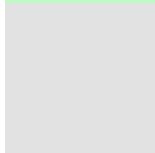
83.1984, 0.2922, 0.3397

Monochromacy



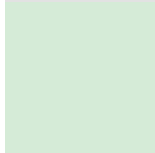
Original Color

83.1756, 0.3056, 0.3902



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.4691, 0.3104, 0.3508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1756, 0.3056, 0.3902 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(189, 250, 196)` looks like.

```
.text, #text, p{  
    color:rgb(189, 250, 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(189, 250, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 250, 196) }
```

Border

The CSS property to change the border of an element to Yxy 83.1756, 0.3056, 0.3902 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(189, 250, 196) }
```

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

```
.border{ border-color:rgb(189, 250, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 250, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 250, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 250, 196);  
box-shadow:4px 4px 4px 4px rgb(189, 250,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1756, 0.3056, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 250, 196) }
```

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

```
.background{ background-color: rgb(189,  
250, 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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