

Converting Colors

Yxy(83.5456, 0.3162, 0.4242)

Have a look what the booklet for
Yxy(83.5456, 0.3162, 0.4242)
contains.

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Color

Yxy(83.3812, 0.3160, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	B8FDAB
RGB	184, 253, 171
RGB Percent	72%, 99%, 67%
CMY	0.2784, 0.0078, 0.3293
CMYK	0.27, 0.00, 0.32, 0.01
HSL	111°, 95%, 83%
HSV	111°, 32%, 99%
XYZ	62.2454, 83.3812, 51.3524
YIQ	223.0210, -14.8020, -40.1300

Conversions

Conversions Part 2

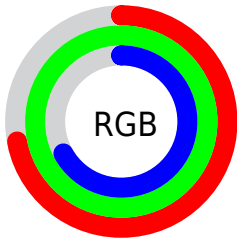
Format	Color
RYB	171, 253, 240
Decimal	12123563
CIELab	93.18, -36.41, 32.56
CIELCh	93, 48.844, 138.188
Yxy	83.3812, 0.3160, 0.4233
Android (android.graphics.Color)	4290313643 (0xFFB8FDAB)
YUV	223.0210, -25.6464, -34.2214
Hunter-Lab	91.3133, -38.1206, 30.5760

Details

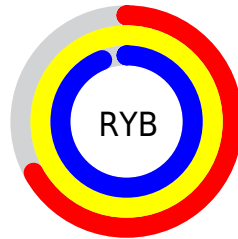
The Yxy color **83.3812, 0.3160, 0.4233** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.7564, 0.3061, 0.2457**, and the grayscale version is **74.0048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7668, 0.3202, 0.3569**, and **45.4550, 0.3151, 0.4468** is the 20% darker color. If you saturate the color by 10%, you get **80.0754, 0.3162, 0.4575**, and if you desaturate by 10%, it is **87.2747, 0.3153, 0.3910**.

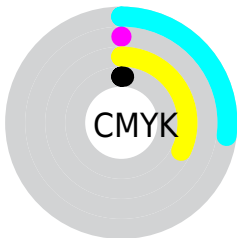
Distribution



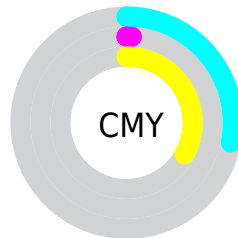
- Red (72%)
- Green (99%)
- Blue (67%)



- Red (67%)
- Yellow (99%)
- Blue (94%)



- Cyan (27%)
- Magenta (0%)
- Yellow (32%)
- Black (1%)




- Cyan (28%)
- Magenta (1%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3812, 0.3160, 0.4233 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 83.3812, 0.3160, 0.4233 by changing the saturation by 10% instead.


 83.3812, 0.3160,
0.4233

 83.3812, 0.3160,
0.4233

506.2561, 0.3159,
0.3785

 62.5047, 0.3157,
0.4338


 138.1092, 0.3163,
0.4076

 45.4406, 0.3150,
0.4467


172.7295, 0.3163,
0.4015

 31.8046, 0.3139,
0.4633


212.6999, 0.3162,
0.3963

 21.2123, 0.3120,
0.4851

258.4047, 0.3162,
0.3918

 13.2793, 0.3083,
0.5148

310.2283, 0.3161,
0.3878

 7.6211, 0.3010,
0.5572


368.5551, 0.3160,


 3.8535, 0.2880,


0.3843


0.6277

433.7696, 0.3160,
0.3812

 1.5920, 0.2384,
0.7616


 0.3522, 0.0000,
1.0000


 83.3812, 0.3160,
0.4233


 83.3812, 0.3160,
0.4233


 80.0754, 0.3162,
0.4575


 87.2747, 0.3153,
0.3910

 77.3183, 0.3156,
0.4921

 91.7713, 0.3143,
0.3614

 75.0829, 0.3144,
0.5250

 96.8994, 0.3130,
0.3349

 73.3355, 0.3123,
0.5538

 98.7327, 0.3128,
0.3271

■ 72.0385, 0.3095,
0.5762

■ 71.1481, 0.3063,
0.5907

■ 70.7050, 0.3039,
0.5969

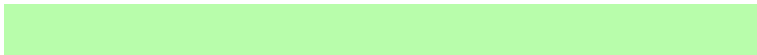
Harmonies

Analogous

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



83.3812, 0.3701, 0.4298



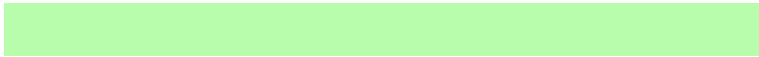
83.3812, 0.3160, 0.4233



83.3812, 0.2637, 0.3826

Triad

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



83.3812, 0.3160, 0.4233



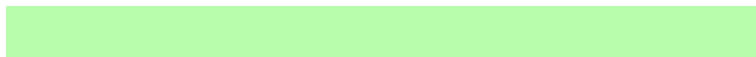
83.3812, 0.2207, 0.2476



83.3812, 0.4058, 0.3220

Complementary

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



83.3812, 0.3160, 0.4233



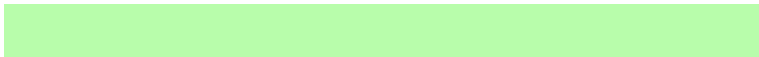
54.7564, 0.3061, 0.2457

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.



83.3812, 0.3587, 0.2823



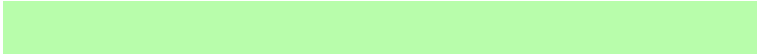
83.3812, 0.3160, 0.4233



83.3812, 0.2517, 0.2407

Square

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



83.3812, 0.3160, 0.4233



83.3812, 0.2119, 0.2765



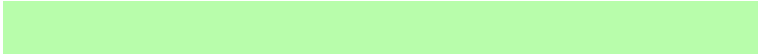
83.3812, 0.3012, 0.2534



83.3812, 0.4251, 0.3659

Rectangle

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



83.3812, 0.3160, 0.4233



83.3812, 0.2367, 0.3447



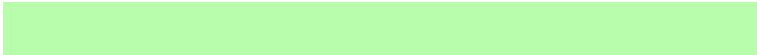
83.3812, 0.3012, 0.2534



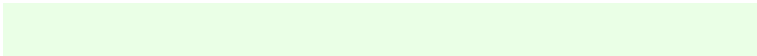
83.3812, 0.3925, 0.3080

Sweetspot

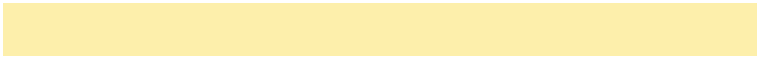
The Sweet Spot groups the original color and five complimentary colors.



83.3848, 0.3160, 0.4233



94.6194, 0.3140, 0.3548



85.7569, 0.3658, 0.3979



20.1018, 0.3142, 0.3586



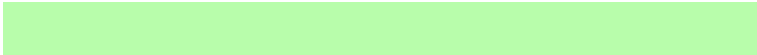
0.0000, 0.0000, 0.0000



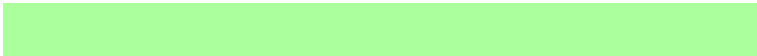
21.4041, 0.3127, 0.3290

Same Dimension

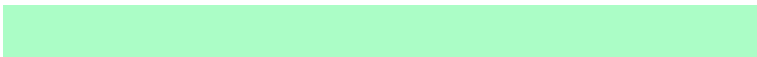
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3848, 0.3160, 0.4233



82.5963, 0.3162, 0.4458



83.0068, 0.2938, 0.3924



20.3062, 0.3140, 0.3534



37.6510, 0.3046, 0.5964



3.7038, 0.3107, 0.5915

Inverse Universe

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



54.7564, 0.3061, 0.2457



49.2411, 0.3042, 0.2286



55.4915, 0.3386, 0.2733



18.1462, 0.3112, 0.3054



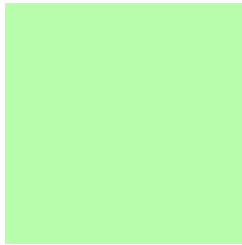
11.3465, 0.2811, 0.1322



1.1421, 0.2859, 0.1349

Previews

White Background



This preview shows how the Yxy color 83.3812, 0.3160, 0.4233 looks on a white background.

Color Contrast Check

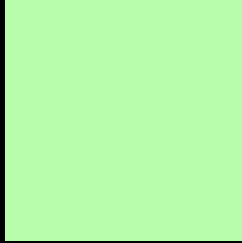
Large Text (above 18pt) WCAG AA × Fail

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 83.3812, 0.3160, 0.4233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

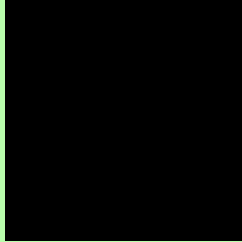
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.3812, 0.3160, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 83.3812, 0.3160, 0.4233.

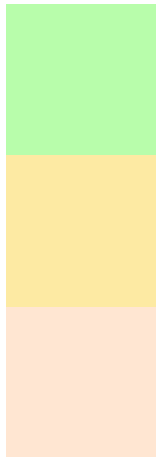


This preview shows how white text looks on a background with the Yxy color 83.3812, 0.3160, 0.4233.

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

83.3812, 0.3160, 0.4233

Protanopia

82.3726, 0.3726, 0.4010

Deuteranopia

82.5068, 0.3435, 0.3492



Tritanopia

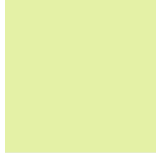
82.9501, 0.2840, 0.3132

Trichromacy



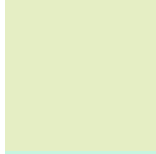
Original Color

83.3812, 0.3160, 0.4233



Protanomaly

82.1577, 0.3504, 0.4093



Deuteranomaly

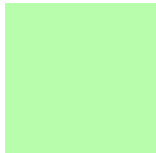
81.7926, 0.3329, 0.3738



Tritanomaly

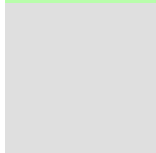
82.8287, 0.2960, 0.3520

Monochromacy



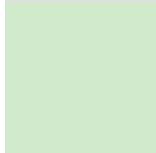
Original Color

83.3812, 0.3160, 0.4233



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.7606, 0.3145, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3812, 0.3160, 0.4233 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(184, 253, 171)` looks like.

```
.text, #text, p{  
    color:rgb(184, 253, 171)  
}
```

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(184, 253, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 253, 171) }
```

Border

The CSS property to change the border of an element to Yxy 83.3812, 0.3160, 0.4233 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(184, 253, 171) }
```

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

```
.border{ border-color:rgb(184, 253, 171) }
```

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

Here you see how a box with a 4 pixel rgb(184, 253, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 253, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 253, 171);  
box-shadow:4px 4px 4px 4px rgb(184, 253,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3812, 0.3160, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 253, 171) }
```

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

```
.background{ background-color: rgb(184,  
253, 171) }
```

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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