

Converting Colors

$Yxy(89.8975, 0.3222, 0.4538)$

Have a look what the booklet for
Yxy(89.8975, 0.3222, 0.4538)
contains.

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Color

Yxy(83.7982, 0.3235, 0.4452)

Conversions

Conversions Part 1

Format	Color
Hex	B6FF9A
RGB	182, 255, 154
RGB Percent	71%, 100%, 60%
CMY	0.2861, 0.0000, 0.3961
CMYK	0.29, 0.00, 0.40, 0.00
HSL	103°, 100%, 80%
HSV	103°, 40%, 100%
XYZ	60.8911, 83.7982, 43.5367
YIQ	221.6590, -11.0870, -46.8870

Conversions

Conversions Part 2

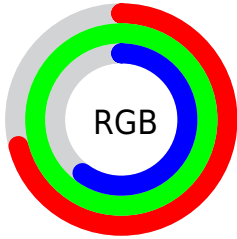
Format	Color
RYB	154, 255, 227
Decimal	11992986
CIELab	93.36, -40.36, 41.21
CIELCh	93, 57.685, 134.400
Yxy	83.7982, 0.3235, 0.4452
Android (android.graphics.Color)	4290183066 (0xFFB6FF9A)
YUV	221.6590, -33.3559, -34.7809
Hunter-Lab	91.5414, -41.4635, 35.8809

Details

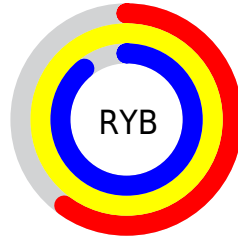
The Yxy color **83.7982, 0.3235, 0.4452** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.6558, 0.2941, 0.2240**, and the grayscale version is **73.0469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6487, 0.3301, 0.3755**, and **45.7634, 0.3231, 0.4747** is the 20% darker color. If you saturate the color by 10%, you get **80.9425, 0.3246, 0.4784**, and if you desaturate by 10%, it is **87.1366, 0.3215, 0.4126**.

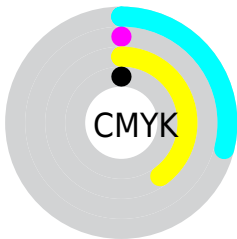
Distribution



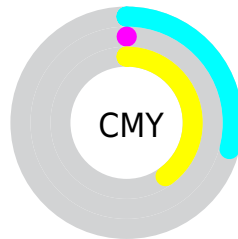
- Red (71%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (89%)



- Cyan (29%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7982, 0.3235, 0.4452 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 83.7982, 0.3235, 0.4452 by changing the saturation by 10% instead.


 83.7982, 0.3235,
0.4452


 83.7982, 0.3235,
0.4452


507.6429, 0.3208,
0.3899

 62.8488, 0.3235,
0.4580


 138.6929, 0.3230,
0.4258

 45.7189, 0.3232,
0.4740


 173.4069, 0.3227,
0.4183

 32.0241, 0.3223,
0.4941


213.4780, 0.3224,
0.4119

 21.3799, 0.3201,
0.5204

259.2906, 0.3220,
0.4063

 13.4020, 0.3155,
0.5556

311.2289, 0.3217,
0.4014

 7.7059, 0.3055,
0.6042


369.6775, 0.3214,


 3.9074, 0.2961,


0.3971


0.7039


435.0207, 0.3211,
0.3933


 1.6219, 0.2060,
0.7940


 0.3723, 0.0000,
1.0000


 83.7982, 0.3235,
0.4452


 83.7982, 0.3235,
0.4452


 80.9425, 0.3246,
0.4784

 87.1366, 0.3215,
0.4126

 78.5358, 0.3245,
0.5106

 90.9681, 0.3188,
0.3818

 76.5567, 0.3231,
0.5396

 95.3165, 0.3158,
0.3536

 74.9773, 0.3202,
0.5635

99.9986, 0.3127,
0.3290

■ 73.7660, 0.3161,
0.5806

■ 72.8801, 0.3113,
0.5908

■ 72.8504, 0.3111,
0.5912

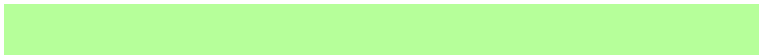
Harmonies

Analogous

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



83.7982, 0.3858, 0.4453



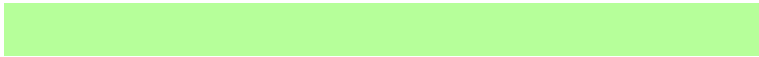
83.7982, 0.3235, 0.4452



83.7982, 0.2616, 0.4010

Triad

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



83.7982, 0.3235, 0.4452



83.7982, 0.2036, 0.2368



83.7982, 0.4171, 0.3136

Complementary

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



83.7982, 0.3235, 0.4452



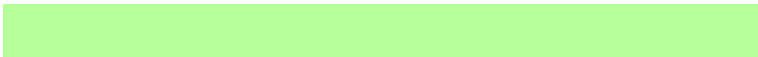
46.6558, 0.2941, 0.2240

Split Complementary

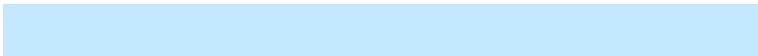
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7982, 0.3581, 0.2697



83.7982, 0.3235, 0.4452



83.7982, 0.2357, 0.2267

Square

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



83.7982, 0.3235, 0.4452



83.7982, 0.1968, 0.2724



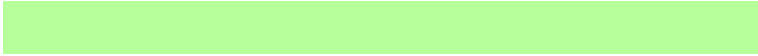
83.7982, 0.2905, 0.2389



83.7982, 0.4443, 0.3635

Rectangle

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



83.7982, 0.3235, 0.4452



83.7982, 0.2289, 0.3558



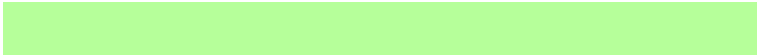
83.7982, 0.2905, 0.2389



83.7982, 0.4000, 0.2979

Sweetspot

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



83.8018, 0.3235, 0.4452



94.2296, 0.3165, 0.3601



78.1936, 0.3827, 0.4024



20.0446, 0.3169, 0.3637



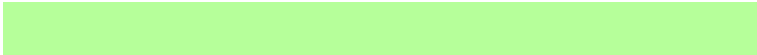
0.0000, 0.0000, 0.0000



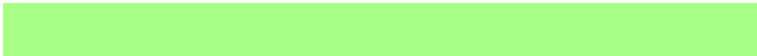
21.4041, 0.3127, 0.3290

Same Dimension

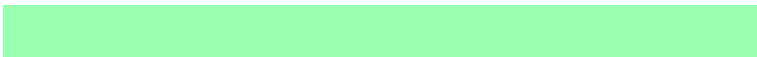
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8018, 0.3235, 0.4452



81.3724, 0.3245, 0.4731



81.5188, 0.2961, 0.4242



20.4121, 0.3158, 0.3533



38.1302, 0.3121, 0.5904



3.7644, 0.3201, 0.5840

Inverse Universe

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



46.6558, 0.2941, 0.2240



39.2608, 0.2887, 0.2017



50.2611, 0.3358, 0.2499



18.0320, 0.3093, 0.3053



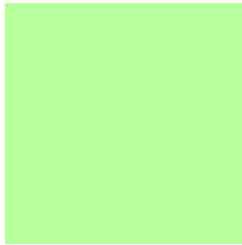
9.1890, 0.2515, 0.1159



0.9494, 0.2596, 0.1204

Previews

White Background



This preview shows how the Yxy color 83.7982, 0.3235, 0.4452 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 83.7982, 0.3235, 0.4452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

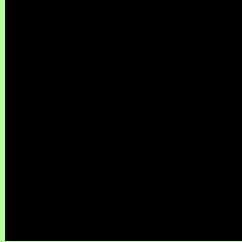
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7982, 0.3235, 0.4452

Background



This preview shows how black text looks on a background with the Yxy color 83.7982, 0.3235, 0.4452.

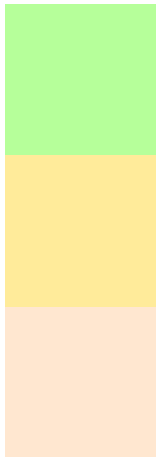


This preview shows how white text looks on a background with the Yxy color 83.7982, 0.3235, 0.4452.

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

83.7982, 0.3235, 0.4452

Protanopia

83.0098, 0.3795, 0.4103

Deuteranopia

82.9659, 0.3447, 0.3522



Tritanopia

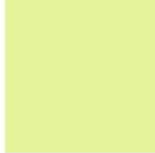
83.2418, 0.2852, 0.3133

Trichromacy



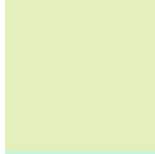
Original Color

83.7982, 0.3235, 0.4452



Protanomaly

82.3313, 0.3574, 0.4228



Deuteranomaly

82.4450, 0.3370, 0.3846



Tritanomaly

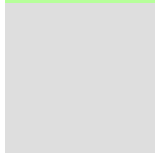
82.6461, 0.3000, 0.3587

Monochromacy



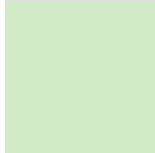
Original Color

83.7982, 0.3235, 0.4452



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.1423, 0.3175, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7982, 0.3235, 0.4452 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(182, 255, 154)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 154)  
}
```

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(182, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 154) }
```

Border

The CSS property to change the border of an element to Yxy 83.7982, 0.3235, 0.4452 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(182, 255, 154) }
```

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

```
.border{ border-color:rgb(182, 255, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 255, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7982, 0.3235, 0.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 154) }
```

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

```
.background{ background-color: rgb(182,  
255, 154) }
```

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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