

Converting Colors

$Y_{xy}(108.3144, 0.3173, 0.4758)$

Have a look what the booklet for
Yxy(108.3144, 0.3173, 0.4758)
contains.

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Color

Yxy(83.1670, 0.3209, 0.4475)

Conversions

Conversions Part 1

Format	Color
Hex	B1FF99
RGB	177, 255, 153
RGB Percent	69%, 100%, 60%
CMY	0.3059, 0.0000, 0.4000
CMYK	0.31, 0.00, 0.40, 0.00
HSL	106°, 100%, 80%
HSV	106°, 40%, 100%
XYZ	59.6386, 83.1670, 43.0424
YIQ	220.0500, -13.7460, -48.2580

Conversions

Conversions Part 2

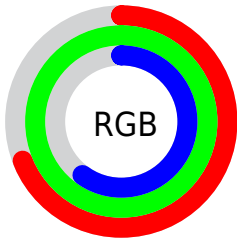
Format	Color
RYB	153, 255, 231
Decimal	11665305
CIELab	93.09, -42.15, 41.30
CIElCh	93, 59.010, 135.584
Yxy	83.1670, 0.3209, 0.4475
Android (android.graphics.Color)	4289855385 (0xFFB1FF99)
YUV	220.0500, -33.0557, -37.7549
Hunter-Lab	91.1959, -42.8608, 35.8536

Details

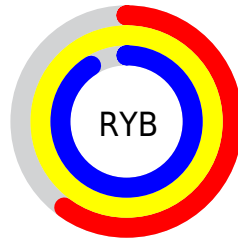
The Yxy color **83.1670, 0.3209, 0.4475** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **46.9899, 0.2974, 0.2240**, and the grayscale version is **71.8456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7362, 0.3274, 0.3770**, and **45.3732, 0.3199, 0.4778** is the 20% darker color. If you saturate the color by 10%, you get **80.2825, 0.3214, 0.4812**, and if you desaturate by 10%, it is **86.5559, 0.3195, 0.4144**.

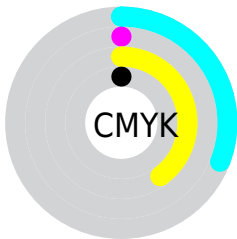
Distribution



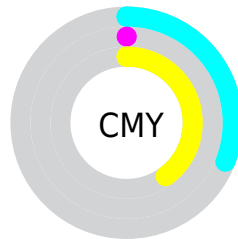
- Red (69%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (91%)



- Cyan (31%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1670, 0.3209, 0.4475 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 83.1670, 0.3209, 0.4475 by changing the saturation by 10% instead.

 83.1670, 0.3209,
0.4475


 83.1670, 0.3209,
0.4475


505.5429, 0.3194,
0.3909

 62.3279, 0.3206,
0.4607


 137.8093, 0.3209,
0.4276

 45.2977, 0.3199,
0.4771


 172.3814, 0.3207,
0.4199

 31.6920, 0.3185,
0.4979

212.2999, 0.3205,
0.4133

 21.1264, 0.3157,
0.5250

257.9492, 0.3203,
0.4076

 13.2164, 0.3101,
0.5614

309.7138, 0.3201,
0.4027

 7.5777, 0.2987,
0.6119

367.9780, 0.3199,

 3.8260, 0.2861,

0.3983

0.7139

433.1263, 0.3196,
0.3944

■ 1.5767, 0.1809,
0.8191

■ 0.3418, 0.0000,
1.0000

■ 83.1670, 0.3209,
0.4475

■ 83.1670, 0.3209,
0.4475

■ 80.2825, 0.3214,
0.4812

■ 86.5559, 0.3195,
0.4144

■ 77.8813, 0.3209,
0.5139

■ 90.4770, 0.3176,
0.3832

■ 75.9343, 0.3192,
0.5432

■ 94.9510, 0.3152,
0.3547

■ 74.4107, 0.3163,
0.5671

99.9986, 0.3127,
0.3290

■ 73.2753, 0.3124,
0.5838

100.0000, 0.3127,
0.3290

■ 72.4802, 0.3081,
0.5936

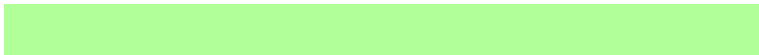
Harmonies

Analogous

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



83.1670, 0.3850, 0.4489



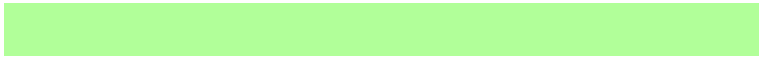
83.1670, 0.3209, 0.4475



83.1670, 0.2580, 0.4004

Triad

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



83.1670, 0.3209, 0.4475



83.1670, 0.2020, 0.2338



83.1670, 0.4216, 0.3150

Complementary

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



83.1670, 0.3209, 0.4475



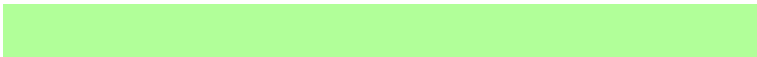
46.9899, 0.2974, 0.2240

Split Complementary

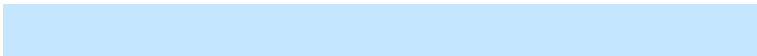
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1670, 0.3619, 0.2699



83.1670, 0.3209, 0.4475



83.1670, 0.2357, 0.2245

Square

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



83.1670, 0.3209, 0.4475



83.1670, 0.1940, 0.2689



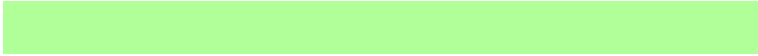
83.1670, 0.2924, 0.2378



83.1670, 0.4478, 0.3660

Rectangle

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



83.1670, 0.3209, 0.4475



83.1670, 0.2252, 0.3535



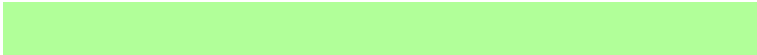
83.1670, 0.2924, 0.2378



83.1670, 0.4045, 0.2989

Sweetspot

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



83.1655, 0.3209, 0.4475



94.0122, 0.3157, 0.3601



79.8745, 0.3822, 0.4063



19.9937, 0.3160, 0.3638



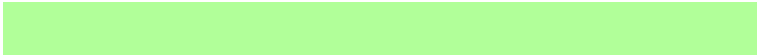
0.0000, 0.0000, 0.0000



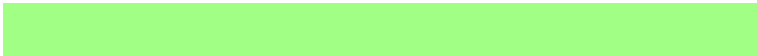
21.4041, 0.3127, 0.3290

Same Dimension

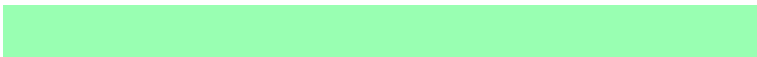
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1655, 0.3209, 0.4475



80.8204, 0.3214, 0.4745



81.5259, 0.2943, 0.4211



20.3743, 0.3151, 0.3533



37.9284, 0.3090, 0.5929



3.7402, 0.3164, 0.5870

Inverse Universe

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



46.9899, 0.2974, 0.2240



40.0880, 0.2932, 0.2033



49.7253, 0.3391, 0.2522



18.0724, 0.3100, 0.3053



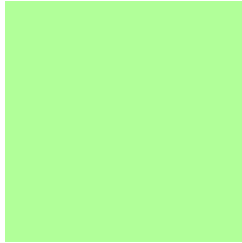
9.9075, 0.2619, 0.1216



1.0142, 0.2689, 0.1255

Previews

White Background



This preview shows how the Yxy color 83.1670, 0.3209, 0.4475 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 83.1670, 0.3209, 0.4475 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

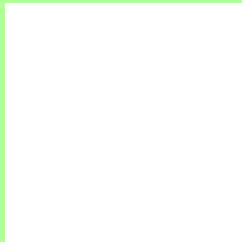
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1670, 0.3209, 0.4475

Background



This preview shows how black text looks on a background with the Yxy color 83.1670, 0.3209, 0.4475.

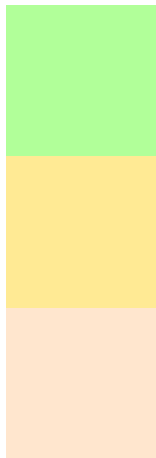


This preview shows how white text looks on a background with the Yxy color 83.1670, 0.3209, 0.4475.

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

83.1670, 0.3209, 0.4475

Protanopia

82.2438, 0.3836, 0.4151

Deuteranopia

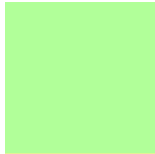
82.3099, 0.3462, 0.3532



Tritanopia

82.6620, 0.2829, 0.3132

Trichromacy



Original Color

83.1670, 0.3209, 0.4475



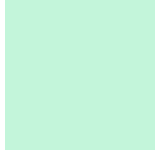
Protanomaly

82.0372, 0.3590, 0.4272



Deuteranomaly

81.6518, 0.3371, 0.3848



Tritanomaly

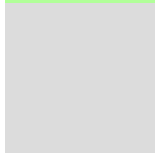
81.9689, 0.2970, 0.3589

Monochromacy



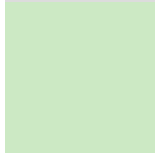
Original Color

83.1670, 0.3209, 0.4475



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.1007, 0.3161, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1670, 0.3209, 0.4475 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(177, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 153)  
}
```

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(177, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 83.1670, 0.3209, 0.4475 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(177, 255, 153) }
```

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

```
.border{ border-color:rgb(177, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1670, 0.3209, 0.4475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 153) }
```

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

```
.background{ background-color: rgb(177,  
255, 153) }
```

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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