

Converting Colors

$Yxy(87.0799, 0.3335, 0.4748)$

Have a look what the booklet for
Yxy(87.0799, 0.3335, 0.4748)
contains.

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Color

Yxy(83.1038, 0.3348, 0.4704)

Conversions

Conversions Part 1

Format	Color
Hex	B6FF83
RGB	182, 255, 131
RGB Percent	71%, 100%, 51%
CMY	0.2863, 0.0000, 0.4861
CMYK	0.29, 0.00, 0.49, 0.00
HSL	95°, 100%, 76%
HSV	95°, 49%, 100%
XYZ	59.1479, 83.1038, 34.4146
YIQ	219.0370, -3.7040, -54.0400

Conversions

Conversions Part 2

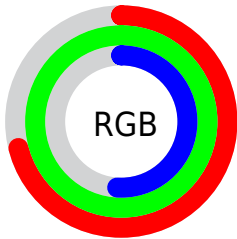
Format	Color
RYB	131, 255, 204
Decimal	11992963
CIELab	93.06, -43.21, 51.80
CIElCh	93, 67.454, 129.833
Yxy	83.1038, 0.3348, 0.4704
Android (android.graphics.Color)	4290183043 (0xFFB6FF83)
YUV	219.0370, -43.4022, -32.4814
Hunter-Lab	91.1613, -43.7167, 41.4301

Details

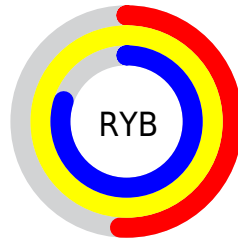
The Yxy color **83.1038, 0.3348, 0.4704** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.3154, 0.2742, 0.1949**, and the grayscale version is **71.1743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5904, 0.3436, 0.3992**, and **45.3738, 0.3355, 0.5046** is the 20% darker color. If you saturate the color by 10%, you get **80.7625, 0.3365, 0.5008**, and if you desaturate by 10%, it is **85.8101, 0.3317, 0.4389**.

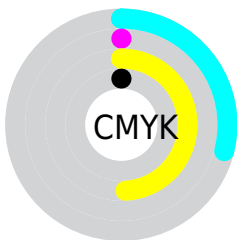
Distribution



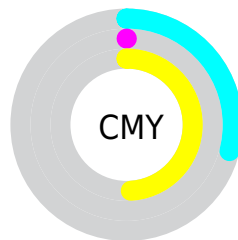
- Red (71%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (80%)



- Cyan (29%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1038, 0.3348, 0.4704 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 83.1038, 0.3348, 0.4704 by changing the saturation by 10% instead.


 83.1038, 0.3348,
0.4704


 83.1038, 0.3348,
0.4704


505.3324, 0.3282,
0.4031


 62.2758, 0.3353,
0.4858


 137.7208, 0.3333,
0.4469

 45.2556, 0.3353,
0.5048


 172.2786, 0.3325,
0.4378

 31.6588, 0.3344,
0.5284


 212.1818, 0.3317,
0.4300

 21.1010, 0.3317,
0.5586

257.8148, 0.3309,
0.4232

 13.1979, 0.3251,
0.5977

309.5620, 0.3301,
0.4173

 7.5649, 0.3136,
0.6549

367.8077, 0.3294,

 3.8178, 0.2808,

0.4120

0.7192

432.9364, 0.3288,
0.4073

■ 1.5722, 0.1689,
0.8311

■ 0.3387, 0.0000,
1.0000

■ 83.1038, 0.3348,
0.4704

■ 83.1038, 0.3348,
0.4704

■ 80.7625, 0.3365,
0.5008

■ 85.8101, 0.3317,
0.4389

■ 78.7694, 0.3364,
0.5284

■ 88.9008, 0.3274,
0.4079

■ 77.1028, 0.3343,
0.5514

■ 92.3912, 0.3226,
0.3783

■ 75.7387, 0.3303,
0.5686

■ 96.2964, 0.3173,
0.3508

■ 74.6455, 0.3248,
0.5796

100.0000, 0.3127,
0.3290

■ 74.5097, 0.3240,
0.5809

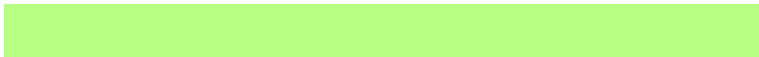
Harmonies

Analogous

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



83.1038, 0.4054, 0.4594



83.1038, 0.3348, 0.4704



83.1038, 0.2622, 0.4258

Triad

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



83.1038, 0.3348, 0.4704



83.1038, 0.1848, 0.2264



83.1038, 0.4265, 0.3017

Complementary

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



83.1038, 0.3348, 0.4704



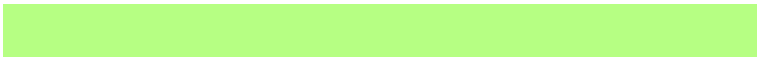
36.3154, 0.2742, 0.1949

Split Complementary

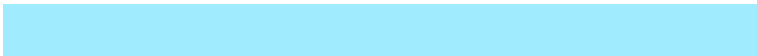
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1038, 0.3530, 0.2542



83.1038, 0.3348, 0.4704



83.1038, 0.2165, 0.2118

Square

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



83.1038, 0.3348, 0.4704



83.1038, 0.1812, 0.2707



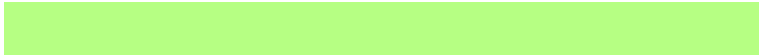
83.1038, 0.2752, 0.2224



83.1038, 0.4648, 0.3574

Rectangle

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



83.1038, 0.3348, 0.4704



83.1038, 0.2226, 0.3728



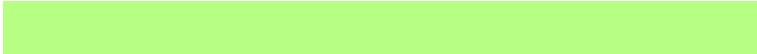
83.1038, 0.2752, 0.2224



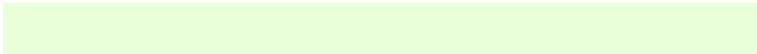
83.1038, 0.4045, 0.2846

Sweetspot

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



83.1031, 0.3348, 0.4704



93.7507, 0.3207, 0.3681



65.7807, 0.4091, 0.4030



19.8950, 0.3218, 0.3740



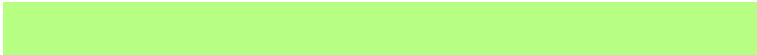
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



83.1031, 0.3348, 0.4704



80.8942, 0.3364, 0.4990



78.2843, 0.3009, 0.4714



20.5325, 0.3178, 0.3531



39.0151, 0.3252, 0.5800



3.8608, 0.3340, 0.5730

Inverse Universe

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



36.3154, 0.2742, 0.1949



29.2561, 0.2641, 0.1694



44.0801, 0.3273, 0.2193



17.9066, 0.3072, 0.3051



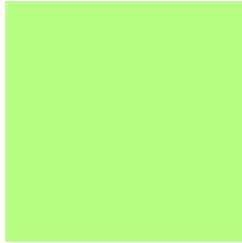
7.2614, 0.2206, 0.0989



0.7710, 0.2316, 0.1050

Previews

White Background



This preview shows how the Yxy color 83.1038, 0.3348, 0.4704 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 83.1038, 0.3348, 0.4704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

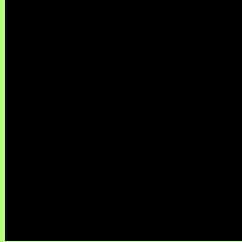
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

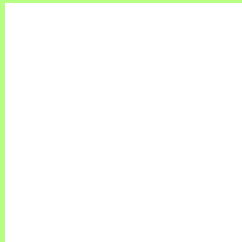
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1038, 0.3348, 0.4704

Background



This preview shows how black text looks on a background with the Yxy color 83.1038, 0.3348, 0.4704.

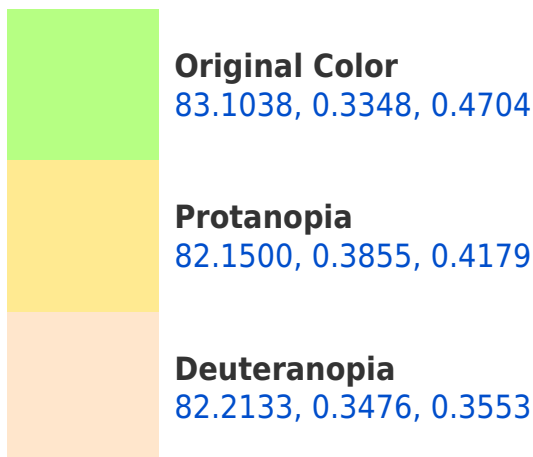


This preview shows how white text looks on a background with the Yxy color 83.1038, 0.3348, 0.4704.

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

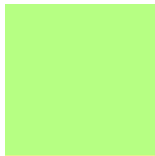




Tritanopia

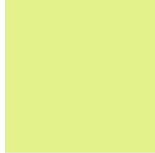
82.5083, 0.2846, 0.3122

Trichromacy



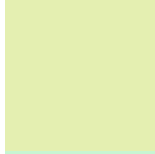
Original Color

83.1038, 0.3348, 0.4704



Protanomaly

81.8917, 0.3655, 0.4370



Deuteranomaly

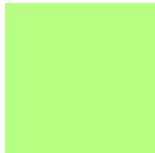
81.4013, 0.3441, 0.3956



Tritanomaly

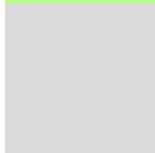
82.1001, 0.3040, 0.3679

Monochromacy



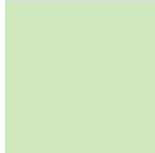
Original Color

83.1038, 0.3348, 0.4704



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.4229, 0.3233, 0.3802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1038, 0.3348, 0.4704 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 131) }
```

Border

The CSS property to change the border of an element to Yxy 83.1038, 0.3348, 0.4704 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, 131) }
```

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

```
.border{ border-color:rgb(182, 255, 131) }
```

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, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 131);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1038, 0.3348, 0.4704 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, 131) }
```

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

```
.background{ background-color: rgb(182,  
255, 131) }
```

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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