

Converting Colors

Yxy(83.1126, 0.3189, 0.4448)

Have a look what the booklet for
Yxy(83.1126, 0.3189, 0.4448)
contains.

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Color

Yxy(83.1504, 0.3188, 0.4442)

Conversions

Conversions Part 1

Format	Color
Hex	B0FF9C
RGB	176, 255, 156
RGB Percent	69%, 100%, 61%
CMY	0.3096, 0.0000, 0.3882
CMYK	0.31, 0.00, 0.39, 0.00
HSL	108°, 100%, 81%
HSV	108°, 39%, 100%
XYZ	59.6766, 83.1504, 44.3644
YIQ	220.0930, -15.3050, -47.5370

Conversions

Conversions Part 2

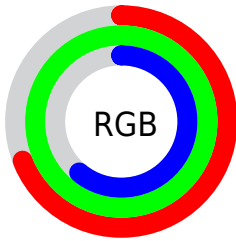
Format	Color
RYB	156, 255, 235
Decimal	11599772
CIELab	93.08, -42.03, 39.80
CIELCh	93, 57.881, 136.560
Yxy	83.1504, 0.3188, 0.4442
Android (android.graphics.Color)	4289789852 (0xFFB0FF9C)
YUV	220.0930, -31.5978, -38.6696
Hunter-Lab	91.1868, -42.7589, 34.9849

Details

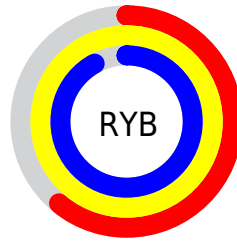
The Yxy color **83.1504, 0.3188, 0.4442** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.6570, 0.3007, 0.2280**, and the grayscale version is **71.8829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7156, 0.3250, 0.3740**, and **45.3605, 0.3174, 0.4738** is the 20% darker color. If you saturate the color by 10%, you get **80.1820, 0.3190, 0.4783**, and if you desaturate by 10%, it is **86.6624, 0.3178, 0.4110**.

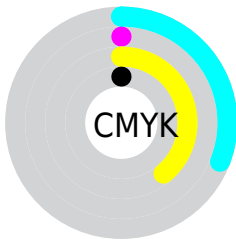
Distribution



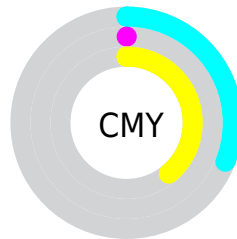
- Red (69%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (92%)



- Cyan (31%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1504, 0.3188, 0.4442 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 83.1504, 0.3188, 0.4442 by changing the saturation by 10% instead.


 83.1504, 0.3188,
0.4442

 83.1504, 0.3188,
0.4442


505.4876, 0.3181,
0.3891

 62.3142, 0.3184,
0.4571


 137.7861, 0.3190,
0.4248

 45.2867, 0.3175,
0.4730


 172.3544, 0.3190,
0.4174

 31.6833, 0.3160,
0.4933

212.2689, 0.3189,
0.4110

 21.1197, 0.3130,
0.5199

257.9139, 0.3188,
0.4054

 13.2115, 0.3075,
0.5557

309.6739, 0.3186,
0.4006

 7.5744, 0.2963,
0.6057

367.9333, 0.3184,

 3.8238, 0.2866,

0.3963

0.7134

433.0764, 0.3183,
0.3925

■ 1.5755, 0.1819,
0.8181

■ 0.3410, 0.0000,
1.0000

■ 83.1504, 0.3188,
0.4442

■ 83.1504, 0.3188,
0.4442

■ 80.1820, 0.3190,
0.4783

■ 86.6624, 0.3178,
0.4110

■ 77.7194, 0.3184,
0.5116

■ 90.7324, 0.3163,
0.3798

■ 75.7364, 0.3167,
0.5418

■ 95.3878, 0.3145,
0.3515

■ 74.2001, 0.3139,
0.5666

99.9957, 0.3127,
0.3290

■ 73.0731, 0.3104,
0.5842

■ 72.3079, 0.3065,
0.5942

■ 72.2361, 0.3061,
0.5951

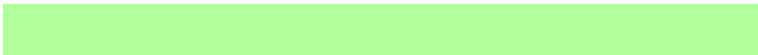
Harmonies

Analogous

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



83.1504, 0.3820, 0.4473



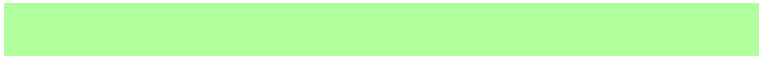
83.1504, 0.3188, 0.4442



83.1504, 0.2573, 0.3969

Triad

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



83.1504, 0.3188, 0.4442



83.1504, 0.2045, 0.2348



83.1504, 0.4210, 0.3170

Complementary

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



83.1504, 0.3188, 0.4442



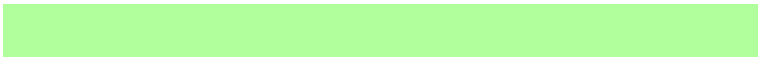
48.6570, 0.3007, 0.2280

Split Complementary

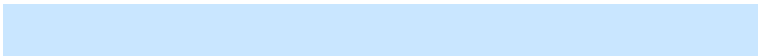
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1504, 0.3632, 0.2722



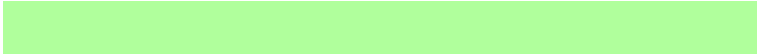
83.1504, 0.3188, 0.4442



83.1504, 0.2385, 0.2263

Square

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



83.1504, 0.3188, 0.4442



83.1504, 0.1958, 0.2686



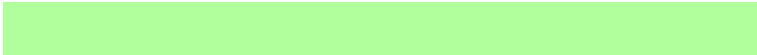
83.1504, 0.2950, 0.2401



83.1504, 0.4455, 0.3673

Rectangle

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



83.1504, 0.3188, 0.4442



83.1504, 0.2255, 0.3508



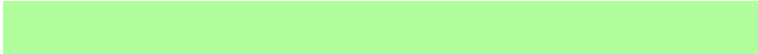
83.1504, 0.2950, 0.2401



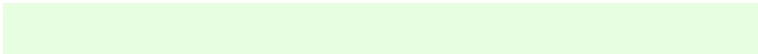
83.1504, 0.4045, 0.3011

Sweetspot

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



83.1540, 0.3188, 0.4442



93.8454, 0.3151, 0.3602



82.2488, 0.3787, 0.4070



19.9547, 0.3153, 0.3639



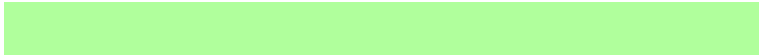
0.0000, 0.0000, 0.0000



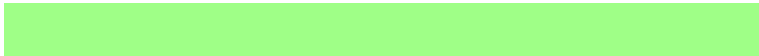
21.4041, 0.3127, 0.3290

Same Dimension

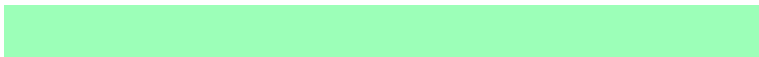
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1540, 0.3188, 0.4442



80.6874, 0.3191, 0.4722



82.0489, 0.2931, 0.4137



20.3452, 0.3146, 0.3534



37.7968, 0.3069, 0.5945



3.7235, 0.3138, 0.5890

Inverse Universe

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



48.6570, 0.3007, 0.2280



41.5340, 0.2971, 0.2070



50.5856, 0.3410, 0.2575



18.1037, 0.3105, 0.3053



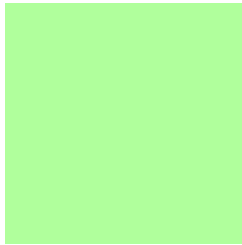
10.4985, 0.2700, 0.1261



1.0670, 0.2761, 0.1295

Previews

White Background



This preview shows how the Yxy color 83.1504, 0.3188, 0.4442 looks on a white background.

Color Contrast Check

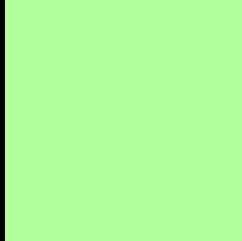
Large Text (above 18pt) WCAG AA × Fail

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 83.1504, 0.3188, 0.4442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

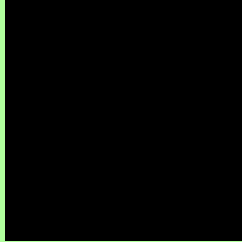
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.1504, 0.3188, 0.4442

Background



This preview shows how black text looks on a background with the Yxy color 83.1504, 0.3188, 0.4442.

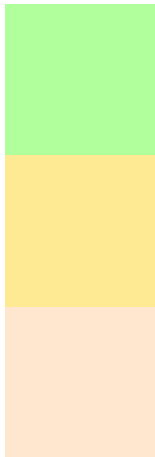


This preview shows how white text looks on a background with the Yxy color 83.1504, 0.3188, 0.4442.

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

83.1504, 0.3188, 0.4442

Protanopia

82.2438, 0.3836, 0.4151

Deuteranopia

82.3586, 0.3456, 0.3522



Tritanopia

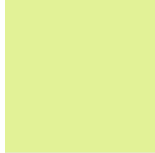
82.5193, 0.2823, 0.3131

Trichromacy



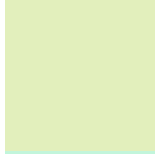
Original Color

83.1504, 0.3188, 0.4442



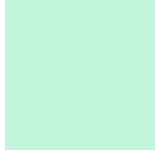
Protanomaly

81.9074, 0.3577, 0.4264



Deuteranomaly

81.5326, 0.3357, 0.3839



Tritanomaly

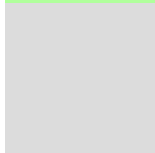
81.8886, 0.2958, 0.3579

Monochromacy



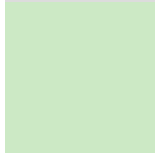
Original Color

83.1504, 0.3188, 0.4442



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.1464, 0.3155, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1504, 0.3188, 0.4442 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(176, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 156)  
}
```

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(176, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 156) }
```

Border

The CSS property to change the border of an element to Yxy 83.1504, 0.3188, 0.4442 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(176, 255, 156) }
```

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

```
.border{ border-color:rgb(176, 255, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1504, 0.3188, 0.4442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 156) }
```

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

```
.background{ background-color: rgb(176,  
255, 156) }
```

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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