

Converting Colors

$Yxy(83.0442, 0.3203, 0.4477)$

Have a look what the booklet for
Yxy(83.0442, 0.3203, 0.4477)
contains.

Yxy(83.0500, 0.3203, 0.4477)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.0500, 0.3203, 0.4477)

Conversions

Conversions Part 1

Format	Color
Hex	B0FF99
RGB	176, 255, 153
RGB Percent	69%, 100%, 60%
CMY	0.3097, 0.0000, 0.4000
CMYK	0.31, 0.00, 0.40, 0.00
HSL	106°, 100%, 80%
HSV	106°, 40%, 100%
XYZ	59.4168, 83.0500, 43.0369
YIQ	219.7510, -14.3420, -48.4700

Conversions

Conversions Part 2

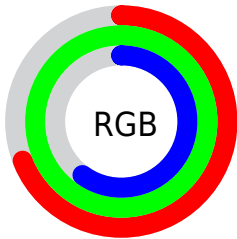
Format	Color
RYB	153, 255, 232
Decimal	11599769
CIELab	93.04, -42.46, 41.22
CIELCh	93, 59.175, 135.851
Yxy	83.0500, 0.3203, 0.4477
Android (android.graphics.Color)	4289789849 (0xFFB0FF99)
YUV	219.7510, -32.9082, -38.3696
Hunter-Lab	91.1318, -43.1007, 35.7926

Details

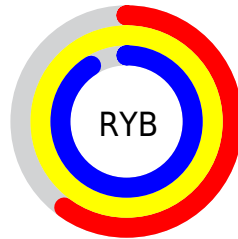
The Yxy color **83.0500, 0.3203, 0.4477** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.1586, 0.2983, 0.2243**, and the grayscale version is **71.6318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5665, 0.3268, 0.3771**, and **45.3013, 0.3192, 0.4781** is the 20% darker color. If you saturate the color by 10%, you get **80.1602, 0.3207, 0.4816**, and if you desaturate by 10%, it is **86.4586, 0.3191, 0.4145**.

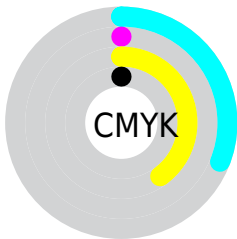
Distribution



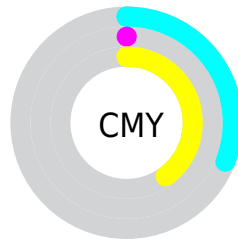
- Red (69%)
- Green (100%)
- Blue (60%)



- 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 83.0500, 0.3203, 0.4477 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 83.0500, 0.3203, 0.4477 by changing the saturation by 10% instead.


 83.0500, 0.3203,
0.4477


 83.0500, 0.3203,
0.4477


505.1531, 0.3191,
0.3909

 62.2314, 0.3199,
0.4609


 137.6455, 0.3204,
0.4277

 45.2197, 0.3192,
0.4774


 172.1912, 0.3203,
0.4201

 31.6305, 0.3176,
0.4982


212.0813, 0.3201,
0.4135

 21.0794, 0.3147,
0.5255

257.7004, 0.3199,
0.4077

 13.1821, 0.3090,
0.5621

309.4327, 0.3197,
0.4028

 7.5540, 0.2973,
0.6129


367.6626, 0.3195,


 3.8109, 0.2843,


0.3983


0.7157


432.7747, 0.3193,
0.3944


 1.5684, 0.1761,
0.8239


 0.3361, 0.0000,
1.0000


 83.0500, 0.3203,
0.4477


 83.0500, 0.3203,
0.4477


 80.1602, 0.3207,
0.4816


 86.4586, 0.3191,
0.4145

 77.7573, 0.3201,
0.5143

 90.4043, 0.3173,
0.3833

 75.8151, 0.3184,
0.5438

 94.9114, 0.3151,
0.3547

 74.3019, 0.3155,
0.5677

100.0000, 0.3127,
0.3290

■ 73.1818, 0.3116,
0.5844

■ 72.4056, 0.3075,
0.5941

■ 72.4054, 0.3075,
0.5941

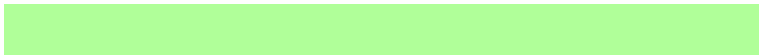
Harmonies

Analogous

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



83.0500, 0.3846, 0.4495



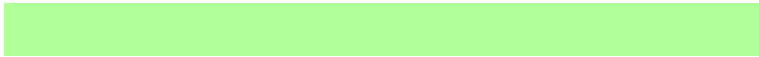
83.0500, 0.3203, 0.4477



83.0500, 0.2573, 0.4001

Triad

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



83.0500, 0.3203, 0.4477



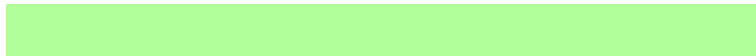
83.0500, 0.2019, 0.2333



83.0500, 0.4224, 0.3154

Complementary

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



83.0500, 0.3203, 0.4477



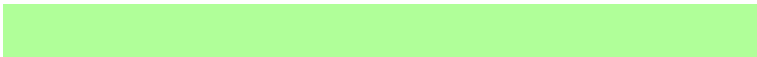
47.1586, 0.2983, 0.2243

Split Complementary

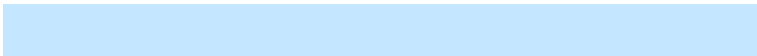
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0500, 0.3626, 0.2701



83.0500, 0.3203, 0.4477



83.0500, 0.2359, 0.2242

Square

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



83.0500, 0.3203, 0.4477



83.0500, 0.1936, 0.2683



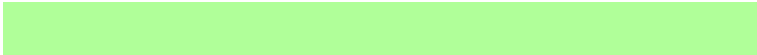
83.0500, 0.2930, 0.2378



83.0500, 0.4483, 0.3665

Rectangle

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



83.0500, 0.3203, 0.4477



83.0500, 0.2245, 0.3530



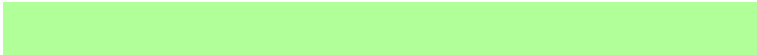
83.0500, 0.2930, 0.2378



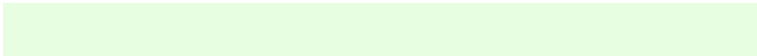
83.0500, 0.4053, 0.2993

Sweetspot

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



83.0519, 0.3203, 0.4477



93.9630, 0.3155, 0.3602



80.8247, 0.3815, 0.4078



19.9822, 0.3158, 0.3638



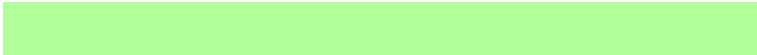
0.0000, 0.0000, 0.0000



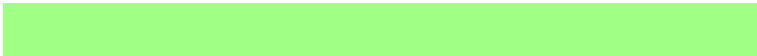
21.4041, 0.3127, 0.3290

Same Dimension

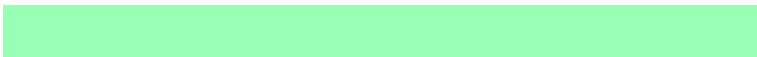
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0519, 0.3203, 0.4477



80.6979, 0.3207, 0.4748



81.5965, 0.2934, 0.4189



20.3657, 0.3150, 0.3533



37.8875, 0.3083, 0.5934



3.7351, 0.3156, 0.5876

Inverse Universe

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



47.1586, 0.2983, 0.2243



40.2797, 0.2942, 0.2037



49.6347, 0.3406, 0.2538



18.0816, 0.3102, 0.3053



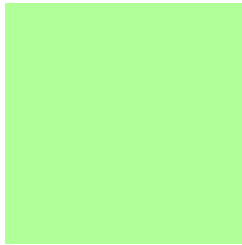
10.0783, 0.2643, 0.1229



1.0295, 0.2710, 0.1267

Previews

White Background



This preview shows how the Yxy color 83.0500, 0.3203, 0.4477 looks on a white background.

Color Contrast Check

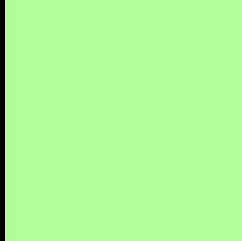
Large Text (above 18pt) WCAG AA × Fail

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 83.0500, 0.3203, 0.4477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

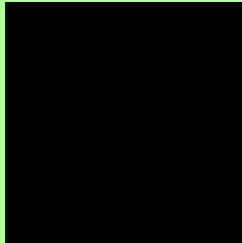
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.0500, 0.3203, 0.4477

Background



This preview shows how black text looks on a background with the Yxy color 83.0500, 0.3203, 0.4477.

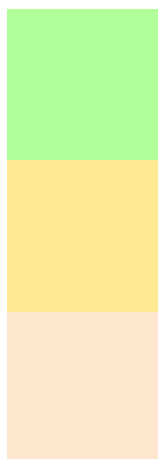


This preview shows how white text looks on a background with the Yxy color 83.0500, 0.3203, 0.4477.

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

83.0500, 0.3203, 0.4477

Protanopia

82.2122, 0.3842, 0.4160

Deuteranopia

82.3099, 0.3462, 0.3532



Tritanopia

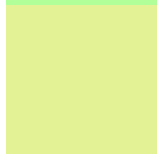
82.5193, 0.2823, 0.3131

Trichromacy



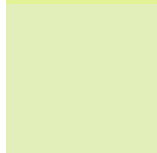
Original Color

83.0500, 0.3203, 0.4477



Protanomaly

81.8429, 0.3588, 0.4285



Deuteranomaly

81.4896, 0.3364, 0.3850



Tritanomaly

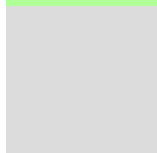
81.8361, 0.2964, 0.3590

Monochromacy



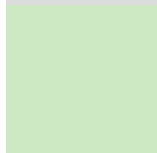
Original Color

83.0500, 0.3203, 0.4477



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 83.0500, 0.3203, 0.4477 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(176, 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(176, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 83.0500, 0.3203, 0.4477 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, 153) }
```

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

```
.border{ border-color:rgb(176, 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(176, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0500, 0.3203, 0.4477 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, 153) }
```

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

```
.background{ background-color: rgb(176,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor