

Converting Colors

$Yxy(83.2911, 0.3215, 0.4472)$

Have a look what the booklet for
Yxy(83.2911, 0.3215, 0.4472)
contains.

| | |
|--|----|
| Yxy(83.2849, 0.3215, 0.4473) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(83.2849, 0.3215, 0.4473)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | B2FF99 |
| RGB | 178, 255, 153 |
| RGB Percent | 70%, 100%, 60% |
| CMY | 0.3021, 0.0000, 0.4001 |
| CMYK | 0.30, 0.00, 0.40, 0.00 |
| HSL | 105°, 100%, 80% |
| HSV | 105°, 40%, 100% |
| XYZ | 59.8616, 83.2849, 43.0482 |
| YIQ | 220.3490, -13.1500, -48.0460 |

Conversions

Conversions Part 2

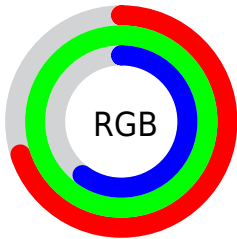
| Format | Color |
|-------------------------------------|--|
| RYB | 153, 255, 230 |
| Decimal | 11730841 |
| CIELab | 93.14, -41.84, 41.38 |
| CIElCh | 93, 58.846, 135.315 |
| Yxy | 83.2849, 0.3215, 0.4473 |
| Android (android.graphics.Color) | 4289920921 (0xFFB2FF99) |
| YUV | 220.3490, -33.2031, -37.1401 |
| Hunter-Lab | 91.2606, -42.6204, 35.9149 |

Details

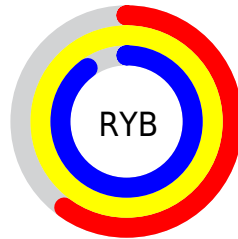
The Yxy color **83.2849, 0.3215, 0.4473** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **46.8228, 0.2966, 0.2237**, and the grayscale version is **72.0592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9069, 0.3281, 0.3769**, and **45.4458, 0.3206, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **80.4056, 0.3222, 0.4809**, and if you desaturate by 10%, it is **86.6533, 0.3200, 0.4143**.

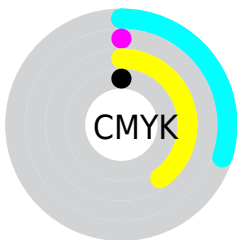
Distribution



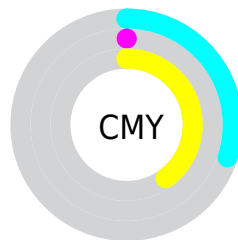
- Red (70%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (90%)



- Cyan (30%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2849, 0.3215, 0.4473 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 83.2849, 0.3215, 0.4473 by changing the saturation by 10% instead.


 83.2849, 0.3215,
0.4473

 83.2849, 0.3215,
0.4473

505.9355, 0.3197,
0.3908

 62.4252, 0.3213,
0.4605


 137.9744, 0.3214,
0.4275

 45.3764, 0.3207,
0.4768


 172.5730, 0.3212,
0.4198

 31.7540, 0.3193,
0.4975


212.5201, 0.3210,
0.4132

 21.1737, 0.3166,
0.5245


258.1999, 0.3207,
0.4075

 13.2510, 0.3112,
0.5607

309.9970, 0.3205,
0.4026

 7.6016, 0.3000,
0.6109


368.2957, 0.3202,


 3.8411, 0.2878,


0.3982


0.7122

433.4804, 0.3200,
0.3943


 1.5851, 0.1856,
0.8144


 0.3475, 0.0000,
1.0000


 83.2849, 0.3215,
0.4473


 83.2849, 0.3215,
0.4473


 80.4056, 0.3222,
0.4809


 86.6533, 0.3200,
0.4143

 78.0065, 0.3217,
0.5134

 90.5498, 0.3179,
0.3832

 76.0553, 0.3200,
0.5427

 94.9907, 0.3154,
0.3547

 74.5218, 0.3171,
0.5665

99.9961, 0.3127,
0.3290

■ 73.3717, 0.3131,
0.5833

100.0000, 0.3127,
0.3290

■ 72.5583, 0.3087,
0.5931

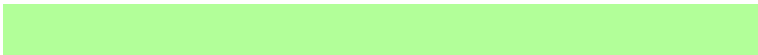
Harmonies

Analogous

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



83.2849, 0.3853, 0.4484



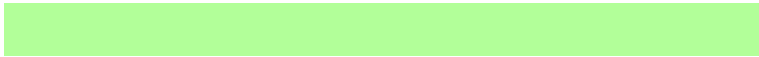
83.2849, 0.3215, 0.4473



83.2849, 0.2587, 0.4007

Triad

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



83.2849, 0.3215, 0.4473



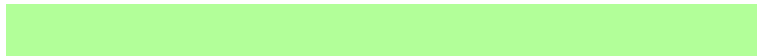
83.2849, 0.2021, 0.2342



83.2849, 0.4209, 0.3146

Complementary

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



83.2849, 0.3215, 0.4473



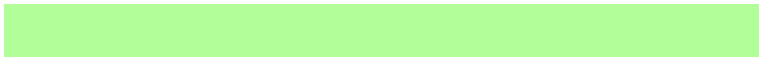
46.8228, 0.2966, 0.2237

Split Complementary

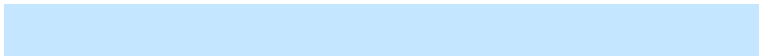
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2849, 0.3611, 0.2697



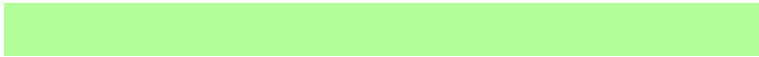
83.2849, 0.3215, 0.4473



83.2849, 0.2355, 0.2248

Square

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



83.2849, 0.3215, 0.4473



83.2849, 0.1944, 0.2696



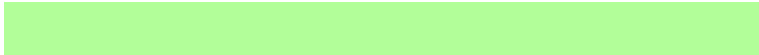
83.2849, 0.2919, 0.2379



83.2849, 0.4474, 0.3655

Rectangle

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



83.2849, 0.3215, 0.4473



83.2849, 0.2258, 0.3541



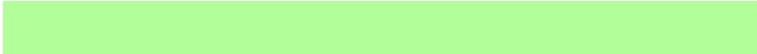
83.2849, 0.2919, 0.2379



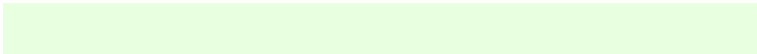
83.2849, 0.4037, 0.2986

Sweetspot

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



83.2796, 0.3215, 0.4473



94.0613, 0.3159, 0.3601



79.8724, 0.3822, 0.4063



20.0052, 0.3162, 0.3638



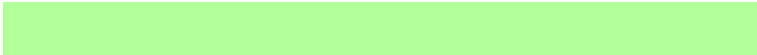
0.0000, 0.0000, 0.0000



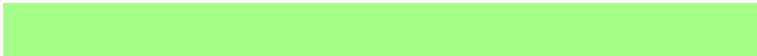
21.4041, 0.3127, 0.3290

Same Dimension

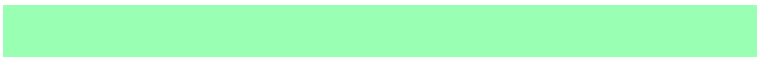
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2796, 0.3215, 0.4473



80.9436, 0.3221, 0.4742



81.5244, 0.2943, 0.4211



20.3829, 0.3153, 0.3533



37.9710, 0.3097, 0.5923



3.7454, 0.3172, 0.5863

Inverse Universe

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



46.8228, 0.2966, 0.2237



39.8982, 0.2922, 0.2029



49.7212, 0.3391, 0.2522



18.0632, 0.3099, 0.3053



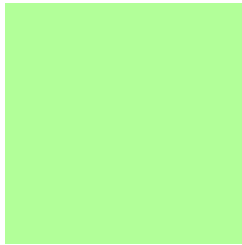
9.7400, 0.2595, 0.1203



0.9991, 0.2668, 0.1243

Previews

White Background



This preview shows how the Yxy color 83.2849, 0.3215, 0.4473 looks on a white background.

Color Contrast Check

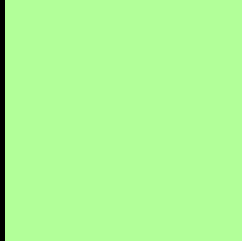
Large Text (above 18pt) WCAG AA × Fail

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 83.2849, 0.3215, 0.4473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

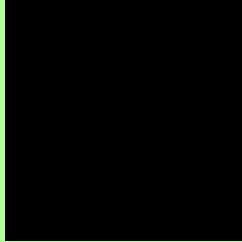
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.2849, 0.3215, 0.4473

Background



This preview shows how black text looks on a background with the Yxy color 83.2849, 0.3215, 0.4473.

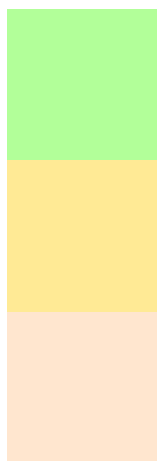


This preview shows how white text looks on a background with the Yxy color 83.2849, 0.3215, 0.4473.

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

83.2849, 0.3215, 0.4473

Protanopia

82.2756, 0.3830, 0.4141

Deuteranopia

82.3586, 0.3456, 0.3522



Tritanopia

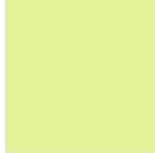
82.8056, 0.2835, 0.3132

Trichromacy



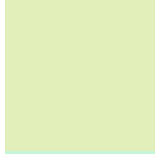
Original Color

83.2849, 0.3215, 0.4473



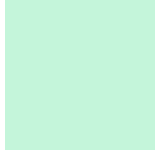
Protanomaly

82.0372, 0.3590, 0.4272



Deuteranomaly

81.6518, 0.3371, 0.3848



Tritanomaly

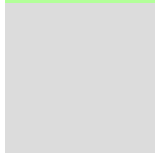
82.1025, 0.2976, 0.3589

Monochromacy



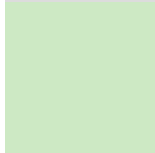
Original Color

83.2849, 0.3215, 0.4473



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.2425, 0.3168, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2849, 0.3215, 0.4473 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(178, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 83.2849, 0.3215, 0.4473 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(178, 255, 153) }
```

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

```
.border{ border-color:rgb(178, 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(178, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2849, 0.3215, 0.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 153) }
```

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

```
.background{ background-color: rgb(178,  
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