

Converting Colors

$Y_{xy}(102.6969, 0.3204, 0.4754)$

Have a look what the booklet for
Yxy(102.6969, 0.3204, 0.4754)
contains.

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Color

Yxy(83.1231, 0.3240, 0.4529)

Conversions

Conversions Part 1

Format	Color
Hex	B2FF94
RGB	178, 255, 148
RGB Percent	70%, 100%, 58%
CMY	0.3020, 0.0000, 0.4194
CMYK	0.30, 0.00, 0.42, 0.00
HSL	103°, 100%, 79%
HSV	103°, 42%, 100%
XYZ	59.4654, 83.1231, 40.9467
YIQ	219.7790, -11.5450, -49.6010

Conversions

Conversions Part 2

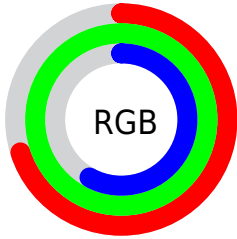
Format	Color
RYB	148, 255, 225
Decimal	11730836
CIELab	93.07, -42.48, 43.69
CIELCh	93, 60.937, 134.198
Yxy	83.1231, 0.3240, 0.4529
Android (android.graphics.Color)	4289920916 (0xFFB2FF94)
YUV	219.7790, -35.3870, -36.6402
Hunter-Lab	91.1719, -43.1270, 37.1922

Details

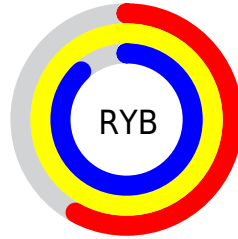
The Yxy color **83.1231, 0.3240, 0.4529** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **44.4338, 0.2925, 0.2176**, and the grayscale version is **71.6651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6647, 0.3310, 0.3822**, and **45.3520, 0.3235, 0.4844** is the 20% darker color. If you saturate the color by 10%, you get **80.3733, 0.3249, 0.4860**, and if you desaturate by 10%, it is **86.3407, 0.3221, 0.4201**.

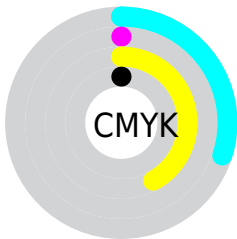
Distribution



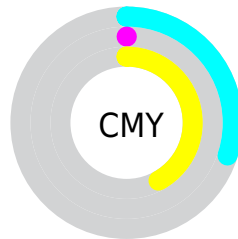
- Red (70%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (88%)



- Cyan (30%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1231, 0.3240, 0.4529 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 83.1231, 0.3240, 0.4529 by changing the saturation by 10% instead.

 83.1231, 0.3240,
0.4529


 83.1231, 0.3240,
0.4529


505.3967, 0.3213,
0.3937

 62.2917, 0.3239,
0.4667


 137.7479, 0.3236,
0.4321

 45.2684, 0.3234,
0.4837


 172.3100, 0.3233,
0.4241

 31.6689, 0.3221,
0.5053


212.2179, 0.3230,
0.4172

 21.1087, 0.3194,
0.5333

257.8559, 0.3226,
0.4113

 13.2035, 0.3137,
0.5706

309.6083, 0.3223,
0.4061

 7.5688, 0.3016,
0.6218


367.8597, 0.3220,


 3.8203, 0.2844,


0.4015


0.7156


432.9943, 0.3216,
0.3974

 1.5736, 0.1768,
0.8232


 0.3397, 0.0000,
1.0000


 83.1231, 0.3240,
0.4529


 83.1231, 0.3240,
0.4529


 80.3733, 0.3249,
0.4860


 86.3407, 0.3221,
0.4201


 78.0693, 0.3245,
0.5176

 90.0489, 0.3196,
0.3888

 76.1852, 0.3228,
0.5456

 94.2675, 0.3166,
0.3599

 74.6926, 0.3196,
0.5680

 99.0155, 0.3134,
0.3338

■ 73.5589, 0.3152,
0.5834

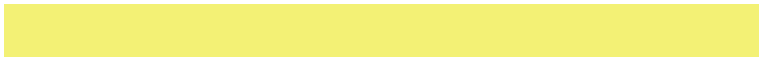
100.0000, 0.3127,
0.3290

■ 72.8736, 0.3113,
0.5910

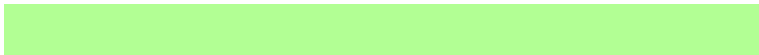
Harmonies

Analogous

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



83.1231, 0.3897, 0.4517



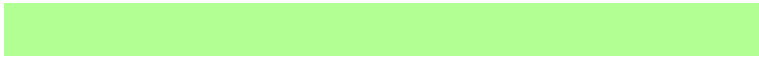
83.1231, 0.3240, 0.4529



83.1231, 0.2588, 0.4061

Triad

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



83.1231, 0.3240, 0.4529



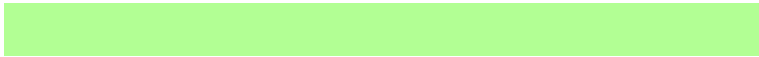
83.1231, 0.1979, 0.2320



83.1231, 0.4230, 0.3120

Complementary

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



83.1231, 0.3240, 0.4529



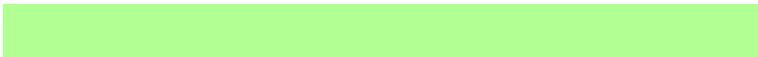
44.4338, 0.2925, 0.2176

Split Complementary

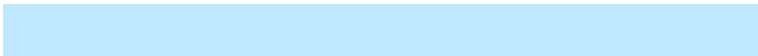
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1231, 0.3601, 0.2663



83.1231, 0.3240, 0.4529



83.1231, 0.2312, 0.2215

Square

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



83.1231, 0.3240, 0.4529



83.1231, 0.1909, 0.2692



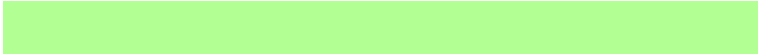
83.1231, 0.2886, 0.2342



83.1231, 0.4519, 0.3642

Rectangle

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



83.1231, 0.3240, 0.4529



83.1231, 0.2244, 0.3577



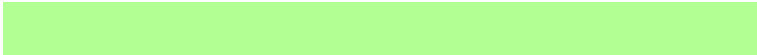
83.1231, 0.2886, 0.2342



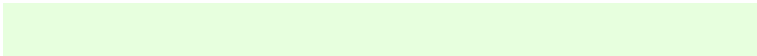
83.1231, 0.4047, 0.2957

Sweetspot

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



83.1227, 0.3240, 0.4529



93.7961, 0.3169, 0.3628



77.0867, 0.3874, 0.4066



19.8700, 0.3176, 0.3691



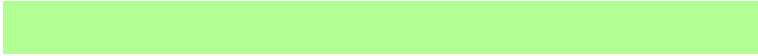
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



83.1227, 0.3240, 0.4529



80.8714, 0.3248, 0.4796



80.7693, 0.2953, 0.4309



20.4142, 0.3158, 0.3533



38.1420, 0.3123, 0.5902



3.7657, 0.3203, 0.5839

Inverse Universe

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



44.4338, 0.2925, 0.2176



37.6372, 0.2871, 0.1964



48.2719, 0.3375, 0.2454



18.0299, 0.3093, 0.3053



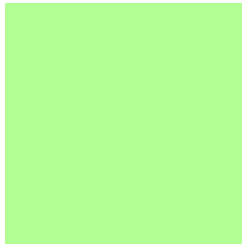
9.1523, 0.2509, 0.1156



0.9460, 0.2592, 0.1201

Previews

White Background



This preview shows how the Yxy color 83.1231, 0.3240, 0.4529 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 83.1231, 0.3240, 0.4529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

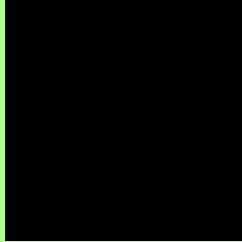
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.1231, 0.3240, 0.4529

Background



This preview shows how black text looks on a background with the Yxy color 83.1231, 0.3240, 0.4529.

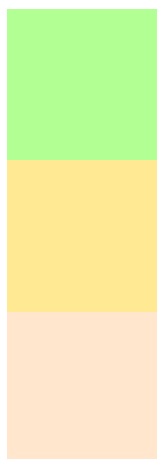


This preview shows how white text looks on a background with the Yxy color 83.1231, 0.3240, 0.4529.

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

83.1231, 0.3240, 0.4529

Protanopia

82.2122, 0.3842, 0.4160

Deuteranopia

82.2614, 0.3469, 0.3543



Tritanopia

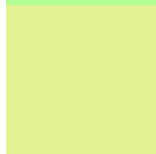
82.6620, 0.2829, 0.3132

Trichromacy



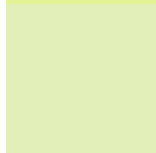
Original Color

83.1231, 0.3240, 0.4529



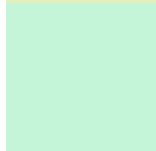
Protanomaly

81.9417, 0.3607, 0.4303



Deuteranomaly

81.5246, 0.3389, 0.3881



Tritanomaly

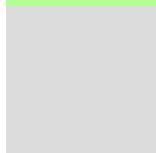
81.9984, 0.2987, 0.3612

Monochromacy



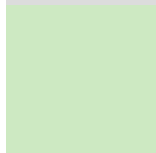
Original Color

83.1231, 0.3240, 0.4529



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.1520, 0.3181, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1231, 0.3240, 0.4529 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 148) }
```

Border

The CSS property to change the border of an element to Yxy 83.1231, 0.3240, 0.4529 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, 148) }
```

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

```
.border{ border-color:rgb(178, 255, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 255, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 255, 148); box-shadow:4px 4px 4px 4px rgb(178, 255, 148) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1231, 0.3240, 0.4529 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, 148) }
```

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

```
.background{ background-color: rgb(178,  
255, 148) }
```

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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