

Converting Colors

Yxy(83.5875, 0.3188, 0.4399)

Have a look what the booklet for
Yxy(83.5875, 0.3188, 0.4399)
contains.

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Color

Yxy(83.6069, 0.3191, 0.4401)

Conversions

Conversions Part 1

Format	Color
Hex	B3FF9F
RGB	179, 255, 159
RGB Percent	70%, 100%, 62%
CMY	0.2978, 0.0000, 0.3764
CMYK	0.30, 0.00, 0.38, 0.00
HSL	107°, 100%, 81%
HSV	107°, 38%, 100%
XYZ	60.6202, 83.6069, 45.7454
YIQ	221.3320, -14.4800, -45.9680

Conversions

Conversions Part 2

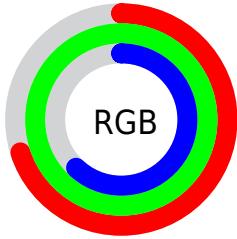
Format	Color
RYB	159, 255, 235
Decimal	11796383
CIELab	93.28, -40.64, 38.62
CIElCh	93, 56.064, 136.461
Yxy	83.6069, 0.3191, 0.4401
Android (android.graphics.Color)	4289986463 (0xFFB3FF9F)
YUV	221.3320, -30.7297, -37.1252
Hunter-Lab	91.4368, -41.6736, 34.3433

Details

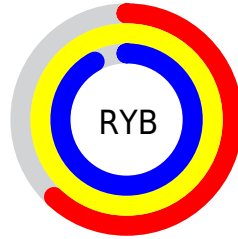
The Yxy color **83.6069, 0.3191, 0.4401** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.6685, 0.3007, 0.2309**, and the grayscale version is **72.7914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4308, 0.3246, 0.3696**, and **45.6397, 0.3179, 0.4685** is the 20% darker color. If you saturate the color by 10%, you get **80.5833, 0.3195, 0.4741**, and if you desaturate by 10%, it is **87.1718, 0.3180, 0.4071**.

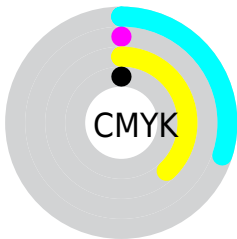
Distribution



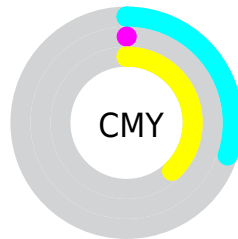
- Red (70%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (92%)



- Cyan (30%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6069, 0.3191, 0.4401 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 83.6069, 0.3191, 0.4401 by changing the saturation by 10% instead.


 83.6069, 0.3191,
0.4401


 83.6069, 0.3191,
0.4401


507.0069, 0.3181,
0.3871

 62.6909, 0.3188,
0.4525


 138.4252, 0.3192,
0.4215

 45.5912, 0.3181,
0.4678


 173.0962, 0.3191,
0.4143

 31.9234, 0.3168,
0.4873


213.1211, 0.3190,
0.4082

 21.3030, 0.3142,
0.5128

258.8843, 0.3188,
0.4028

 13.3456, 0.3093,
0.5472

310.7700, 0.3187,
0.3982

 7.6670, 0.2993,
0.5955


369.1628, 0.3185,


 3.8826, 0.2888,


0.3940


0.6923


434.4470, 0.3183,
0.3904


 1.6081, 0.2013,
0.7987


 0.3631, 0.0000,
1.0000


 83.6069, 0.3191,
0.4401


 83.6069, 0.3191,
0.4401


 80.5833, 0.3195,
0.4741

 87.1718, 0.3180,
0.4071

 78.0637, 0.3190,
0.5076

 91.2920, 0.3163,
0.3763

 76.0230, 0.3175,
0.5382

 95.9940, 0.3143,
0.3484

 74.4291, 0.3148,
0.5636

99.9952, 0.3127,
0.3290

■ 73.2458, 0.3113,
0.5821

■ 72.4294, 0.3073,
0.5930

■ 72.2801, 0.3065,
0.5948

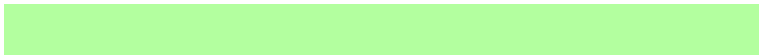
Harmonies

Analogous

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



83.6069, 0.3803, 0.4435



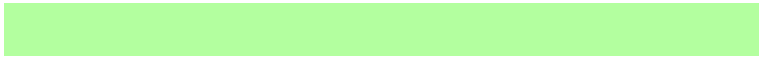
83.6069, 0.3191, 0.4401



83.6069, 0.2594, 0.3946

Triad

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



83.6069, 0.3191, 0.4401



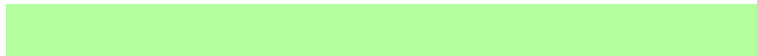
83.6069, 0.2076, 0.2377



83.6069, 0.4172, 0.3174

Complementary

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



83.6069, 0.3191, 0.4401



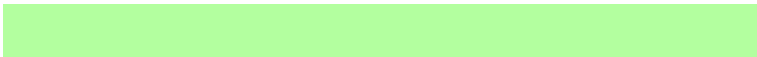
49.6685, 0.3007, 0.2309

Split Complementary

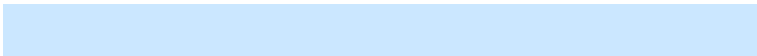
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6069, 0.3614, 0.2738



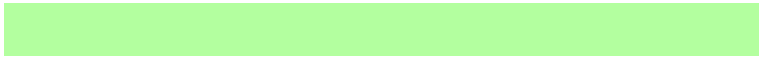
83.6069, 0.3191, 0.4401



83.6069, 0.2407, 0.2292

Square

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



83.6069, 0.3191, 0.4401



83.6069, 0.1992, 0.2709



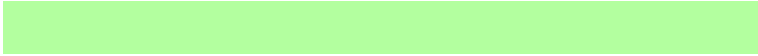
83.6069, 0.2955, 0.2425



83.6069, 0.4411, 0.3664

Rectangle

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



83.6069, 0.3191, 0.4401



83.6069, 0.2283, 0.3505



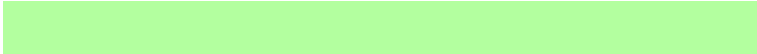
83.6069, 0.2955, 0.2425



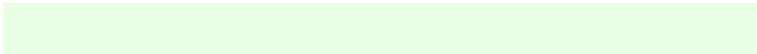
83.6069, 0.4013, 0.3019

Sweetspot

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



83.6105, 0.3191, 0.4401



94.3554, 0.3150, 0.3574



82.7191, 0.3766, 0.4047



20.0578, 0.3153, 0.3612



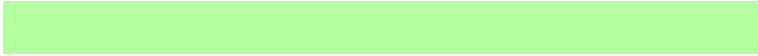
0.0000, 0.0000, 0.0000



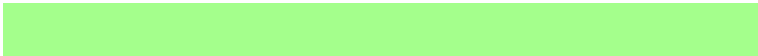
21.4041, 0.3127, 0.3290

Same Dimension

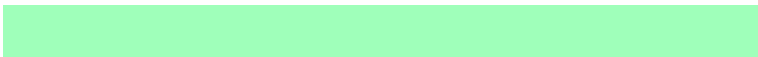
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6105, 0.3191, 0.4401



81.3382, 0.3195, 0.4651



82.4406, 0.2936, 0.4107



20.3510, 0.3147, 0.3534



37.8213, 0.3073, 0.5942



3.7267, 0.3143, 0.5886

Inverse Universe

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



49.6685, 0.3007, 0.2309



43.0410, 0.2974, 0.2118



51.6473, 0.3399, 0.2596



18.0975, 0.3104, 0.3053



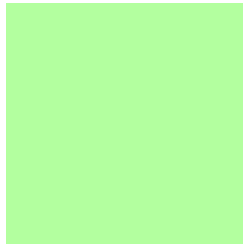
10.3785, 0.2684, 0.1252



1.0563, 0.2747, 0.1287

Previews

White Background



This preview shows how the Yxy color 83.6069, 0.3191, 0.4401 looks on a white background.

Color Contrast Check

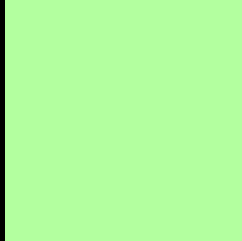
Large Text (above 18pt) WCAG AA × Fail

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 83.6069, 0.3191, 0.4401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

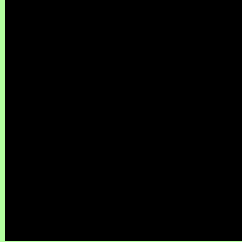
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.6069, 0.3191, 0.4401

Background



This preview shows how black text looks on a background with the Yxy color 83.6069, 0.3191, 0.4401.

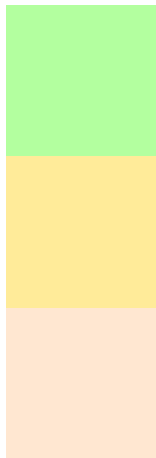


This preview shows how white text looks on a background with the Yxy color 83.6069, 0.3191, 0.4401.

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

83.6069, 0.3191, 0.4401

Protanopia

82.9766, 0.3801, 0.4112

Deuteranopia

83.0153, 0.3440, 0.3512



Tritanopia

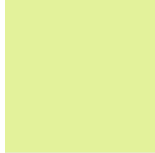
82.9501, 0.2840, 0.3132

Trichromacy



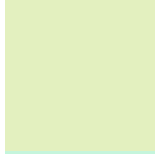
Original Color

83.6069, 0.3191, 0.4401



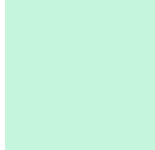
Protanomaly

82.2017, 0.3560, 0.4220



Deuteranomaly

82.4127, 0.3344, 0.3815



Tritanomaly

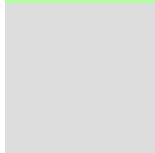
82.3424, 0.2970, 0.3566

Monochromacy



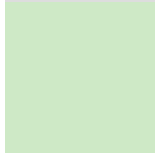
Original Color

83.6069, 0.3191, 0.4401



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.4769, 0.3163, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6069, 0.3191, 0.4401 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(179, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 159)  
}
```

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(179, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 159) }
```

Border

The CSS property to change the border of an element to Yxy 83.6069, 0.3191, 0.4401 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(179, 255, 159) }
```

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

```
.border{ border-color:rgb(179, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6069, 0.3191, 0.4401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 159) }
```

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

```
.background{ background-color: rgb(179,  
255, 159) }
```

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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