

Converting Colors

Yxy(83.4190, 0.3388, 0.4457)

Have a look what the booklet for
Yxy(83.4190, 0.3388, 0.4457)
contains.

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Color

Yxy(83.2431, 0.3388, 0.4454)

Conversions

Conversions Part 1

Format	Color
Hex	C7FB93
RGB	199, 251, 147
RGB Percent	78%, 98%, 58%
CMY	0.2195, 0.0157, 0.4235
CMYK	0.21, 0.00, 0.41, 0.02
HSL	90°, 93%, 78%
HSV	90°, 41%, 98%
XYZ	63.3201, 83.2431, 40.3320
YIQ	223.5960, 2.3920, -43.3680

Conversions

Conversions Part 2

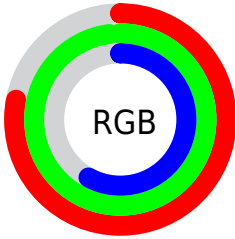
Format	Color
RYB	147, 251, 199
Decimal	13106067
CIELab	93.12, -33.66, 44.50
CIElCh	93, 55.800, 127.102
Yxy	83.2431, 0.3388, 0.4454
Android (android.graphics.Color)	4291296147 (0xFFC7FB93)
YUV	223.5960, -37.7618, -21.5707
Hunter-Lab	91.2377, -35.7847, 37.6570

Details

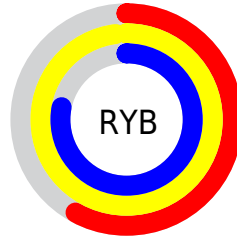
The Yxy color **83.2431, 0.3388, 0.4454** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.9716, 0.2739, 0.2130**, and the grayscale version is **74.5152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **45.2314, 0.3419, 0.4738** is the 20% darker color. If you saturate the color by 10%, you get **80.8966, 0.3430, 0.4754**, and if you desaturate by 10%, it is **85.9103, 0.3334, 0.4152**.

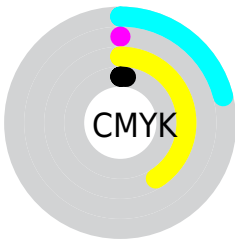
Distribution



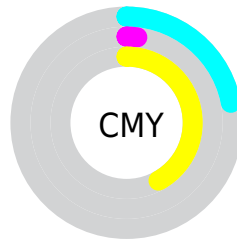
- Red (78%)
- Green (98%)
- Blue (58%)



- Red (58%)
- Yellow (98%)
- Blue (78%)



- Cyan (21%)
- Magenta (0%)
- Yellow (41%)
- Black (2%)





- Cyan (22%)
- Magenta (2%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2431, 0.3388, 0.4454 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 83.2431, 0.3388, 0.4454 by changing the saturation by 10% instead.


 83.2431, 0.3388,
0.4454


 83.2431, 0.3388,
0.4454


505.7964, 0.3292,
0.3905

 62.3907, 0.3403,
0.4580


 137.9159, 0.3360,
0.4263

 45.3485, 0.3418,
0.4734


 172.5051, 0.3348,
0.4189

 31.7320, 0.3430,
0.4929


212.4420, 0.3336,
0.4125

 21.1569, 0.3435,
0.5178

258.1111, 0.3326,
0.4069

 13.2387, 0.3422,
0.5506

309.8966, 0.3316,
0.4020

 7.5931, 0.3363,
0.5947


368.1831, 0.3307,


 3.8357, 0.3277,


0.3977


0.6723

433.3549, 0.3299,
0.3939


 1.5821, 0.2610,
0.7390

 0.3455, 0.0000,
1.0000

 83.2431, 0.3388,
0.4454

 83.2431, 0.3388,
0.4454


 80.8966, 0.3430,
0.4754


 85.9103, 0.3334,
0.4152


 78.8452, 0.3455,
0.5036

 88.9007, 0.3271,
0.3858

 77.0763, 0.3459,
0.5286

 92.2308, 0.3205,
0.3581

 75.5717, 0.3440,
0.5489

 95.9124, 0.3137,
0.3325

■ 74.3101, 0.3400,
0.5635

■ 97.4756, 0.3129,
0.3252

■ 73.3967, 0.3353,
0.5719

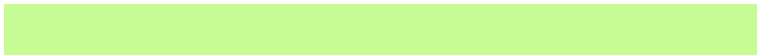
Harmonies

Analogous

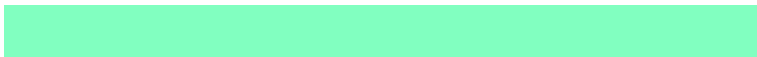
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2431, 0.3967, 0.4363



83.2431, 0.3388, 0.4454



83.2431, 0.2769, 0.4123

Triad

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



83.2431, 0.3388, 0.4454



83.2431, 0.2026, 0.2456



83.2431, 0.4021, 0.3030

Complementary

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



83.2431, 0.3388, 0.4454



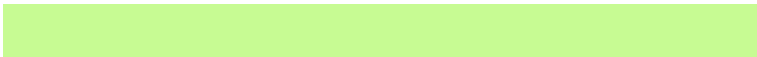
39.9716, 0.2739, 0.2130

Split Complementary

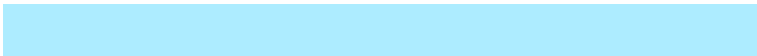
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2431, 0.3407, 0.2626



83.2431, 0.3388, 0.4454



83.2431, 0.2281, 0.2297

Square

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



83.2431, 0.3388, 0.4454



83.2431, 0.2022, 0.2866



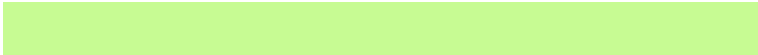
83.2431, 0.2766, 0.2365



83.2431, 0.4375, 0.3510

Rectangle

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



83.2431, 0.3388, 0.4454



83.2431, 0.2419, 0.3715



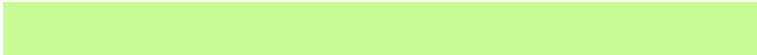
83.2431, 0.2766, 0.2365



83.2431, 0.3834, 0.2883

Sweetspot

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



83.2467, 0.3388, 0.4454



95.3973, 0.3209, 0.3597



62.6698, 0.3968, 0.3821



20.3186, 0.3217, 0.3632



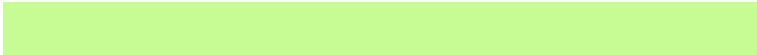
0.0000, 0.0000, 0.0000



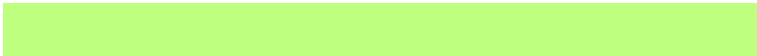
21.4041, 0.3127, 0.3290

Same Dimension

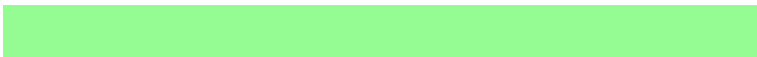
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2467, 0.3388, 0.4454



84.1771, 0.3425, 0.4712



77.4665, 0.3076, 0.4573



19.7357, 0.3192, 0.3530



38.6662, 0.3365, 0.5710



3.6442, 0.3455, 0.5639

Inverse Universe

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



39.9716, 0.2739, 0.2130



33.6341, 0.2632, 0.1874



48.0211, 0.3160, 0.2265



17.0692, 0.3058, 0.3050



6.0576, 0.2021, 0.0887



0.6241, 0.2150, 0.0958

Previews

White Background



This preview shows how the Yxy color 83.2431, 0.3388, 0.4454 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 83.2431, 0.3388, 0.4454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

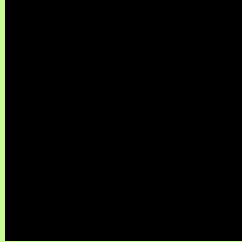
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.2431, 0.3388, 0.4454

Background



This preview shows how black text looks on a background with the Yxy color 83.2431, 0.3388, 0.4454.

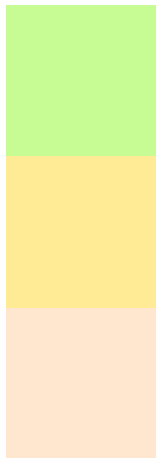


This preview shows how white text looks on a background with the Yxy color 83.2431, 0.3388, 0.4454.

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

83.2431, 0.3388, 0.4454

Protanopia

82.8787, 0.3820, 0.4141

Deuteranopia

82.3099, 0.3462, 0.3532



Tritanopia

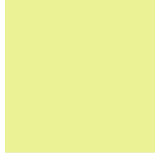
83.1208, 0.2894, 0.3114

Trichromacy



Original Color

83.2431, 0.3388, 0.4454



Protanomaly

82.7427, 0.3657, 0.4253



Deuteranomaly

82.3140, 0.3442, 0.3850



Tritanomaly

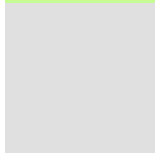
82.7607, 0.3075, 0.3583

Monochromacy



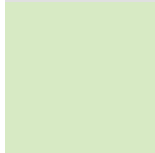
Original Color

83.2431, 0.3388, 0.4454



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.2782, 0.3237, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2431, 0.3388, 0.4454 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(199, 251, 147)` looks like.

```
.text, #text, p{  
    color:rgb(199, 251, 147)  
}
```

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(199, 251, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 251, 147) }
```

Border

The CSS property to change the border of an element to Yxy 83.2431, 0.3388, 0.4454 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(199, 251, 147) }
```

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

```
.border{ border-color:rgb(199, 251, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 251, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 251, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 251, 147);  
box-shadow:4px 4px 4px 4px rgb(199, 251,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2431, 0.3388, 0.4454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 251, 147) }
```

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

```
.background{ background-color: rgb(199,  
251, 147) }
```

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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