

Converting Colors

Yxy(82.2068, 0.3463, 0.4593)

Have a look what the booklet for
Yxy(82.2068, 0.3463, 0.4593)
contains.

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Color

Yxy(82.2068, 0.3463, 0.4593)

Conversions

Conversions Part 1

Format	Color
Hex	C7FA85
RGB	199, 250, 133
RGB Percent	78%, 98%, 52%
CMY	0.2194, 0.0196, 0.4784
CMYK	0.20, 0.00, 0.47, 0.02
HSL	86°, 92%, 75%
HSV	86°, 47%, 98%
XYZ	61.9817, 82.2068, 34.7943
YIQ	221.4130, 7.1610, -47.1990

Conversions

Conversions Part 2

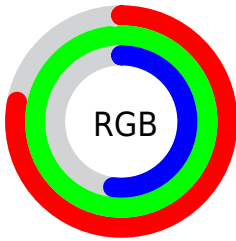
Format	Color
RYB	133, 250, 184
Decimal	13105797
CIELab	92.67, -34.80, 50.62
CIElCh	93, 61.428, 124.507
Yxy	82.2068, 0.3463, 0.4593
Android (android.graphics.Color)	4291295877 (0xFFC7FA85)
YUV	221.4130, -43.5876, -19.6562
Hunter-Lab	90.6680, -36.6441, 40.7148

Details

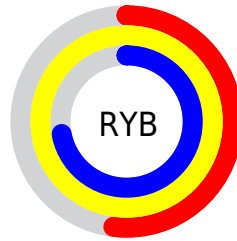
The Yxy color **82.2068, 0.3463, 0.4593** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.8660, 0.2612, 0.1948**, and the grayscale version is **72.9288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **44.5588, 0.3503, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **80.1626, 0.3507, 0.4874**, and if you desaturate by 10%, it is **84.5292, 0.3404, 0.4300**.

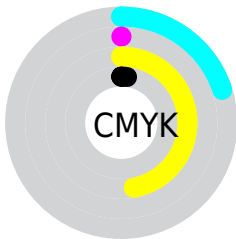
Distribution



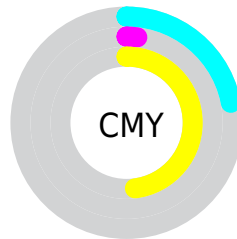
- Red (78%)
- Green (98%)
- Blue (52%)



- Red (52%)
- Yellow (98%)
- Blue (72%)



- Cyan (20%)
- Magenta (0%)
- Yellow (47%)
- Black (2%)




- Cyan (22%)
- Magenta (2%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2068, 0.3463, 0.4593 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 82.2068, 0.3463, 0.4593 by changing the saturation by 10% instead.

 82.2068, 0.3463,
0.4593


 82.2068, 0.3463,
0.4593


502.3392, 0.3339,
0.3979

 61.5360, 0.3482,
0.4732

 136.4640, 0.3427,
0.4380

 44.6579, 0.3500,
0.4903


 170.8191, 0.3411,
0.4297

 31.1880, 0.3513,
0.5115

 210.5046, 0.3397,
0.4225

 20.7421, 0.3516,
0.5384

255.9046, 0.3383,
0.4163

 12.9356, 0.3493,
0.5730

307.4037, 0.3371,
0.4109

 7.3842, 0.3435,
0.6228

365.3862, 0.3359,

 3.7035, 0.3201,

0.4060

0.6799

430.2366, 0.3349,
0.4018

■ 1.5091, 0.2426,
0.7574

■ 0.2951, 0.0000,
1.0000

■ 82.2068, 0.3463,
0.4593

■ 82.2068, 0.3463,
0.4593

■ 80.1626, 0.3507,
0.4874

■ 84.5292, 0.3404,
0.4300

■ 78.3718, 0.3530,
0.5130

■ 87.1319, 0.3334,
0.4007

■ 76.8221, 0.3531,
0.5345


■ 90.0302, 0.3258,
0.3725


■ 75.4956, 0.3508,
0.5509

■ 93.2354, 0.3180,
0.3459

 74.3697, 0.3463,
0.5618

 96.5624, 0.3120,
0.3242

 74.0410, 0.3446,
0.5646

 96.8484, 0.3129,
0.3242

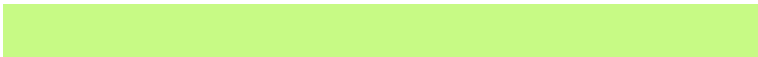
Harmonies

Analogous

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



82.2068, 0.4089, 0.4438



82.2068, 0.3463, 0.4593



82.2068, 0.2782, 0.4271

Triad

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



82.2068, 0.3463, 0.4593



82.2068, 0.1915, 0.2399



82.2068, 0.4064, 0.2958

Complementary

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



82.2068, 0.3463, 0.4593



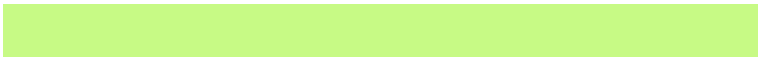
33.8660, 0.2612, 0.1948

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.



82.2068, 0.3368, 0.2533



82.2068, 0.3463, 0.4593



82.2068, 0.2167, 0.2211

Square

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



82.2068, 0.3463, 0.4593



82.2068, 0.1933, 0.2866



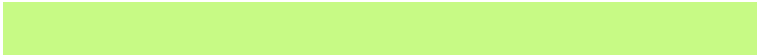
82.2068, 0.2672, 0.2268



82.2068, 0.4489, 0.3471

Rectangle

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



82.2068, 0.3463, 0.4593



82.2068, 0.2390, 0.3825



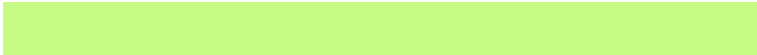
82.2068, 0.2672, 0.2268



82.2068, 0.3849, 0.2803

Sweetspot

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



82.2104, 0.3463, 0.4593



95.0797, 0.3237, 0.3649



56.1755, 0.4139, 0.3828



20.2009, 0.3254, 0.3708



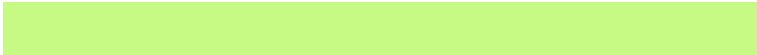
0.0000, 0.0000, 0.0000



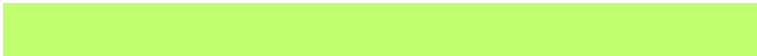
21.4041, 0.3127, 0.3290

Same Dimension

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



82.2104, 0.3463, 0.4593



84.0062, 0.3504, 0.4854



75.7083, 0.3100, 0.4753



19.7926, 0.3201, 0.3529



39.3620, 0.3457, 0.5637



3.7083, 0.3541, 0.5570

Inverse Universe

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



33.8660, 0.2612, 0.1948



27.8966, 0.2478, 0.1669



42.5923, 0.3112, 0.2126



17.0127, 0.3047, 0.3050



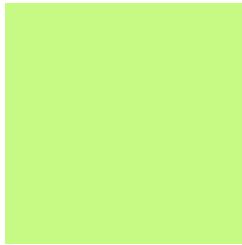
5.4633, 0.1903, 0.0822



0.5674, 0.2035, 0.0895

Previews

White Background



This preview shows how the Yxy color 82.2068, 0.3463, 0.4593 looks on a white background.

Color Contrast Check

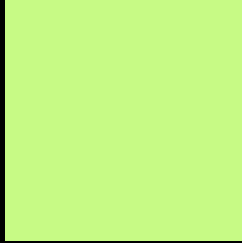
Large Text (above 18pt) WCAG AA × Fail

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 82.2068, 0.3463, 0.4593 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 82.2068, 0.3463, 0.4593

Background



This preview shows how black text looks on a background with the Yxy color 82.2068, 0.3463, 0.4593.

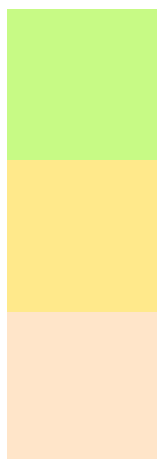


This preview shows how white text looks on a background with the Yxy color 82.2068, 0.3463, 0.4593.

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

82.2068, 0.3463, 0.4593

Protanopia

81.4019, 0.3896, 0.4226

Deuteranopia

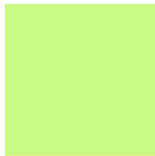
81.5157, 0.3498, 0.3574



Tritanopia

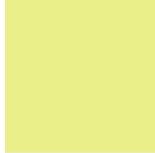
81.8098, 0.2887, 0.3092

Trichromacy



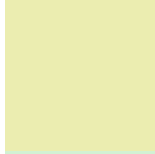
Original Color

82.2068, 0.3463, 0.4593



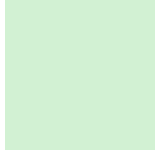
Protanomaly

81.2013, 0.3734, 0.4354



Deuteranomaly

81.3651, 0.3502, 0.3936



Tritanomaly

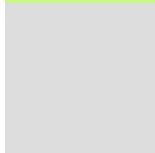
81.3154, 0.3105, 0.3618

Monochromacy



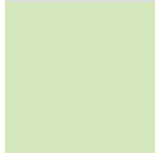
Original Color

82.2068, 0.3463, 0.4593



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.5335, 0.3269, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2068, 0.3463, 0.4593 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, 250, 133)` looks like.

```
.text, #text, p{  
    color:rgb(199, 250, 133)  
}
```

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, 250, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 250, 133) }
```

Border

The CSS property to change the border of an element to Yxy 82.2068, 0.3463, 0.4593 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, 250, 133) }
```

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

```
.border{ border-color:rgb(199, 250, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 250, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 250, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 250, 133);  
box-shadow:4px 4px 4px 4px rgb(199, 250,  
133) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 82.2068, 0.3463, 0.4593$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 250, 133) }
```

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

```
.background{ background-color: rgb(199,  
250, 133) }
```

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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