

Converting Colors

$Yxy(85.5291, 0.3327, 0.4287)$

Have a look what the booklet for
Yxy(85.5291, 0.3327, 0.4287)
contains.

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Color

Yxy(85.5914, 0.3324, 0.4288)

Conversions

Conversions Part 1

Format	Color
Hex	CBFDA3
RGB	203, 253, 163
RGB Percent	80%, 99%, 64%
CMY	0.2042, 0.0078, 0.3608
CMYK	0.20, 0.00, 0.36, 0.01
HSL	93°, 96%, 82%
HSV	93°, 36%, 99%
XYZ	66.3493, 85.5914, 47.6661
YIQ	227.7900, -0.9100, -38.5900

Conversions

Conversions Part 2

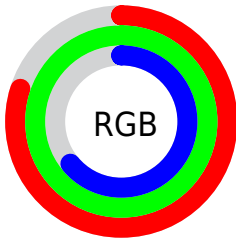
Format	Color
RYB	163, 253, 213
Decimal	13368739
CIELab	94.14, -31.19, 38.03
CIElCh	94, 49.183, 129.353
Yxy	85.5914, 0.3324, 0.4288
Android (android.graphics.Color)	4291558819 (0xFFC9FDA3)
YUV	227.7900, -31.9415, -21.7408
Hunter-Lab	92.5156, -33.8877, 34.2134

Details

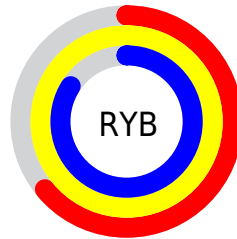
The Yxy color **85.5914, 0.3324, 0.4288** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.4402, 0.2847, 0.2317**, and the grayscale version is **77.6519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **46.8087, 0.3346, 0.4529** is the 20% darker color. If you saturate the color by 10%, you get **82.8905, 0.3364, 0.4598**, and if you desaturate by 10%, it is **88.6607, 0.3274, 0.3984**.

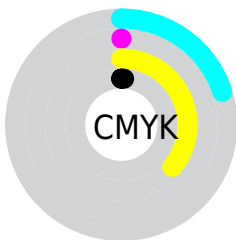
Distribution



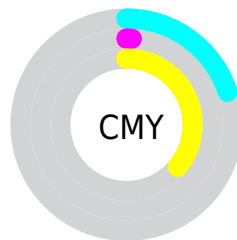
- Red (80%)
- Green (99%)
- Blue (64%)



- Red (64%)
- Yellow (99%)
- Blue (84%)



- Cyan (20%)
- Magenta (0%)
- Yellow (36%)
- Black (1%)





- Cyan (20%)
- Magenta (1%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5914, 0.3324, 0.4288 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 85.5914, 0.3324, 0.4288 by changing the saturation by 10% instead.


 85.5914, 0.3324,
0.4288


 85.5914, 0.3324,
0.4288

513.5829, 0.3251,
0.3820

 64.3302, 0.3336,
0.4395


 141.1992, 0.3302,
0.4125

 46.9181, 0.3348,
0.4528


 176.3145, 0.3293,
0.4062

 32.9709, 0.3359,
0.4695


216.8166, 0.3284,
0.4007

 22.1042, 0.3367,
0.4911

263.0899, 0.3276,
0.3960

 13.9335, 0.3364,
0.5199

315.5188, 0.3269,
0.3918

 8.0744, 0.3333,
0.5597


374.4876, 0.3262,


 4.1426, 0.3305,


0.3882

0.6313


440.3809, 0.3256,
0.3849

 1.7536, 0.2929,
0.7071


 0.4580, 0.0000,
1.0000


 85.5914, 0.3324,
0.4288


 85.5914, 0.3324,
0.4288


 82.8905, 0.3364,
0.4598


 88.6607, 0.3274,
0.3984

 80.5310, 0.3391,
0.4902

 92.1016, 0.3218,
0.3696

 78.4999, 0.3400,
0.5183

 95.9316, 0.3160,
0.3429

 76.7781, 0.3388,
0.5424

 98.7446, 0.3128,
0.3271

■ 75.3445, 0.3356,
0.5611

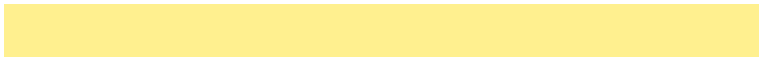
■ 74.1736, 0.3305,
0.5737

■ 73.7260, 0.3280,
0.5778

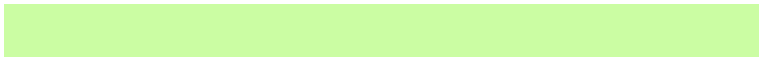
Harmonies

Analogous

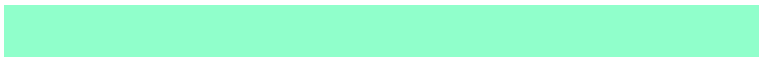
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5914, 0.3840, 0.4251



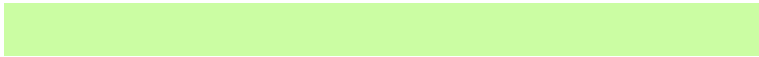
85.5914, 0.3324, 0.4288



85.5914, 0.2781, 0.3973

Triad

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



85.5914, 0.3324, 0.4288



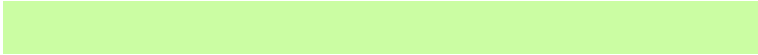
85.5914, 0.2159, 0.2539



85.5914, 0.3941, 0.3096

Complementary

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



85.5914, 0.3324, 0.4288



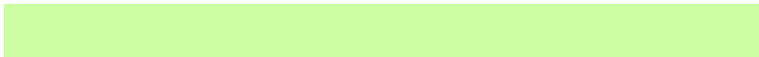
47.4402, 0.2847, 0.2317

Split Complementary

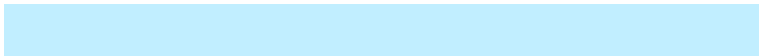
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5914, 0.3419, 0.2725



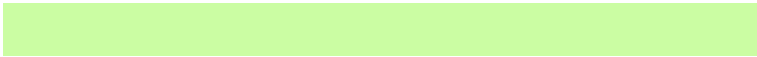
85.5914, 0.3324, 0.4288



85.5914, 0.2405, 0.2407

Square

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



85.5914, 0.3324, 0.4288



85.5914, 0.2139, 0.2892



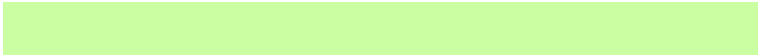
85.5914, 0.2852, 0.2479



85.5914, 0.4227, 0.3529

Rectangle

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



85.5914, 0.3324, 0.4288



85.5914, 0.2477, 0.3618



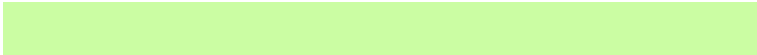
85.5914, 0.2852, 0.2479



85.5914, 0.3784, 0.2962

Sweetspot

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



85.5951, 0.3324, 0.4288



95.4827, 0.3192, 0.3571



70.8708, 0.3801, 0.3805



20.3253, 0.3200, 0.3607



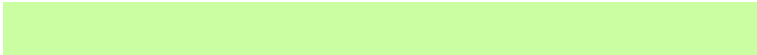
0.0000, 0.0000, 0.0000



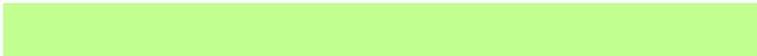
21.4041, 0.3127, 0.3290

Same Dimension

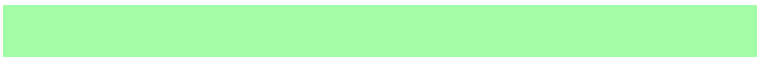
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5951, 0.3324, 0.4288



85.0440, 0.3355, 0.4519



80.8577, 0.3054, 0.4312



20.5625, 0.3183, 0.3531



39.2949, 0.3291, 0.5769



3.8895, 0.3379, 0.5699

Inverse Universe

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



47.4402, 0.2847, 0.2317



40.7504, 0.2770, 0.2099



53.8857, 0.3204, 0.2445



17.8761, 0.3067, 0.3051



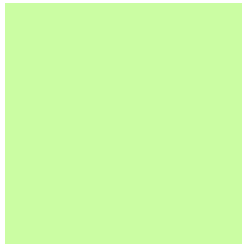
6.8615, 0.2135, 0.0950



0.7329, 0.2251, 0.1014

Previews

White Background



This preview shows how the Yxy color 85.5914, 0.3324, 0.4288 looks on a white background.

Color Contrast Check

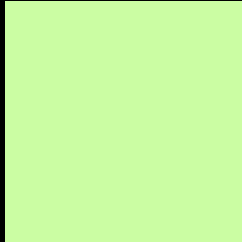
Large Text (above 18pt) WCAG AA × Fail

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 85.5914, 0.3324, 0.4288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

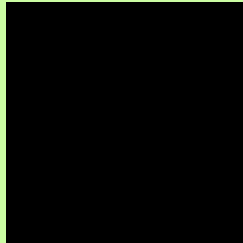
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.5914, 0.3324, 0.4288

Background



This preview shows how black text looks on a background with the Yxy color 85.5914, 0.3324, 0.4288.

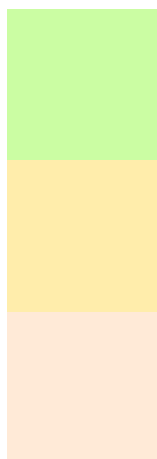


This preview shows how white text looks on a background with the Yxy color 85.5914, 0.3324, 0.4288.

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

85.5914, 0.3324, 0.4288

Protanopia

84.7686, 0.3679, 0.3954

Deuteranopia

85.0119, 0.3395, 0.3480



Tritanopia

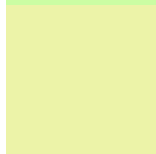
85.2282, 0.2931, 0.3136

Trichromacy



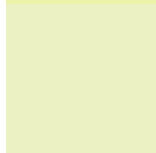
Original Color

85.5914, 0.3324, 0.4288



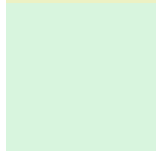
Protanomaly

84.7612, 0.3544, 0.4075



Deuteranomaly

84.7290, 0.3374, 0.3761



Tritanomaly

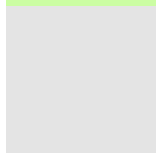
85.1777, 0.3077, 0.3535

Monochromacy



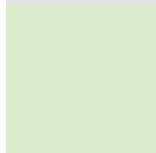
Original Color

85.5914, 0.3324, 0.4288



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.9881, 0.3211, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5914, 0.3324, 0.4288 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(203, 253, 163)` looks like.

```
.text, #text, p{  
    color:rgb(203, 253, 163)  
}
```

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(203, 253, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 253, 163) }
```

Border

The CSS property to change the border of an element to Yxy 85.5914, 0.3324, 0.4288 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(203, 253, 163) }
```

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

```
.border{ border-color:rgb(203, 253, 163) }
```

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

Here you see how a box with a 4 pixel rgb(203, 253, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 253, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 253, 163);  
box-shadow:4px 4px 4px 4px rgb(203, 253,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5914, 0.3324, 0.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 253, 163) }
```

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

```
.background{ background-color: rgb(203,  
253, 163) }
```

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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