

Converting Colors

$Yxy(85.4716, 0.3311, 0.4337)$

Have a look what the booklet for
Yxy(85.4716, 0.3311, 0.4337)
contains.

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Color

Yxy(85.5638, 0.3313, 0.4338)

Conversions

Conversions Part 1

Format	Color
Hex	C7FEA0
RGB	199, 254, 160
RGB Percent	78%, 100%, 63%
CMY	0.2195, 0.0039, 0.3725
CMYK	0.22, 0.00, 0.37, 0.00
HSL	95°, 98%, 81%
HSV	95°, 37%, 100%
XYZ	65.3464, 85.5638, 46.3323
YIQ	226.8390, -2.6060, -40.8940

Conversions

Conversions Part 2

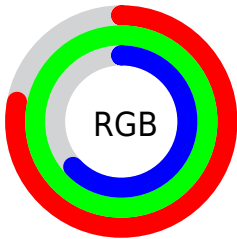
Format	Color
RYB	160, 254, 215
Decimal	13106848
CIELab	94.13, -33.38, 39.44
CIElCh	94, 51.671, 130.244
Yxy	85.5638, 0.3313, 0.4338
Android (android.graphics.Color)	4291296928 (0xFFC7FEA0)
YUV	226.8390, -32.9516, -24.4148
Hunter-Lab	92.5007, -35.7762, 35.0530

Details

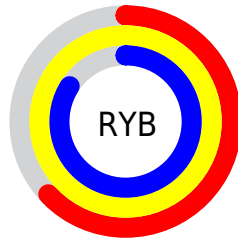
The Yxy color **85.5638, 0.3313, 0.4338** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.7445, 0.2854, 0.2281**, and the grayscale version is **76.9447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **46.8337, 0.3330, 0.4594** is the 20% darker color. If you saturate the color by 10%, you get **82.8332, 0.3347, 0.4652**, and if you desaturate by 10%, it is **88.6818, 0.3269, 0.4030**.

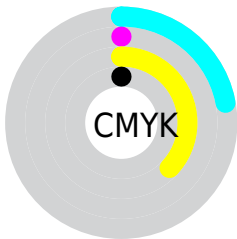
Distribution



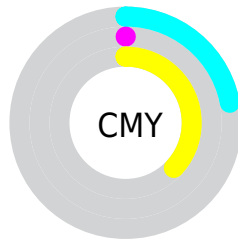
- Red (78%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (84%)



- Cyan (22%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5638, 0.3313, 0.4338 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 85.5638, 0.3313, 0.4338 by changing the saturation by 10% instead.


 85.5638, 0.3313,
0.4338

 85.5638, 0.3313,
0.4338

513.4918, 0.3246,
0.3845

 64.3073, 0.3323,
0.4451


 141.1606, 0.3294,
0.4166

 46.8996, 0.3332,
0.4591


 176.2698, 0.3285,
0.4100

 32.9563, 0.3340,
0.4767

216.7653, 0.3278,
0.4042

 22.0930, 0.3342,
0.4995

263.0315, 0.3270,
0.3992

 13.9252, 0.3330,
0.5298

315.4529, 0.3264,
0.3949

 8.0687, 0.3284,
0.5716


374.4138, 0.3257,


 4.1389, 0.3252,


0.3910


0.6511


440.2986, 0.3252,
0.3876


 1.7516, 0.2771,
0.7229


 0.4567, 0.0000,
1.0000


 85.5638, 0.3313,
0.4338


 85.5638, 0.3313,
0.4338


 82.8332, 0.3347,
0.4652

 88.6818, 0.3269,
0.4030

 80.4620, 0.3367,
0.4958

 92.1917, 0.3219,
0.3737

 78.4358, 0.3370,
0.5239

 96.1119, 0.3165,
0.3466

 76.7342, 0.3352,
0.5477

99.3629, 0.3128,
0.3281

■ 75.3343, 0.3315,
0.5659

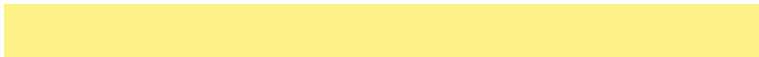
■ 74.2082, 0.3262,
0.5778

■ 73.9134, 0.3245,
0.5805

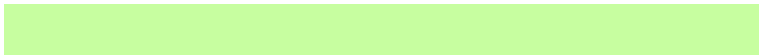
Harmonies

Analogous

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



85.5638, 0.3857, 0.4303



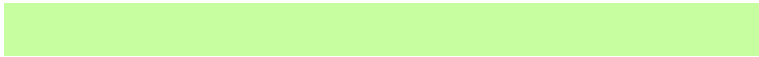
85.5638, 0.3313, 0.4338



85.5638, 0.2746, 0.3996

Triad

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



85.5638, 0.3313, 0.4338



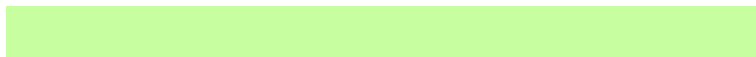
85.5638, 0.2120, 0.2495



85.5638, 0.3996, 0.3098

Complementary

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



85.5638, 0.3313, 0.4338



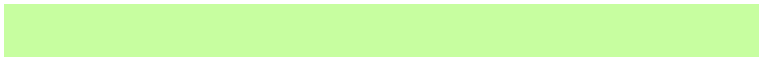
46.7445, 0.2854, 0.2281

Split Complementary

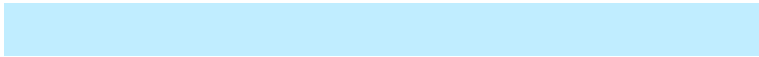
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5638, 0.3450, 0.2709



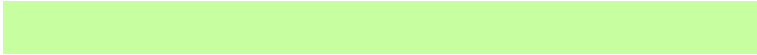
85.5638, 0.3313, 0.4338



85.5638, 0.2383, 0.2367

Square

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



85.5638, 0.3313, 0.4338



85.5638, 0.2092, 0.2855



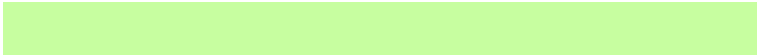
85.5638, 0.2854, 0.2449



85.5638, 0.4287, 0.3550

Rectangle

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



85.5638, 0.3313, 0.4338



85.5638, 0.2432, 0.3616



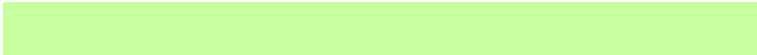
85.5638, 0.2854, 0.2449



85.5638, 0.3833, 0.2958

Sweetspot

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



85.5675, 0.3313, 0.4338



95.3436, 0.3187, 0.3571



72.1268, 0.3822, 0.3857



20.2923, 0.3194, 0.3608



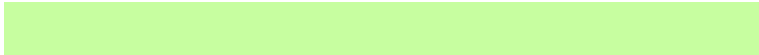
0.0000, 0.0000, 0.0000



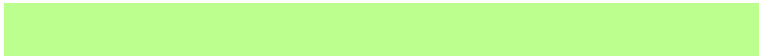
21.4041, 0.3127, 0.3290

Same Dimension

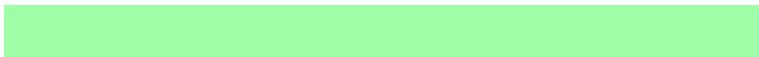
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5675, 0.3313, 0.4338



84.3647, 0.3338, 0.4558



81.1788, 0.3035, 0.4322



20.5364, 0.3179, 0.3531



39.0502, 0.3257, 0.5796



3.8645, 0.3345, 0.5726

Inverse Universe

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



46.7445, 0.2854, 0.2281



40.2757, 0.2785, 0.2078



52.8797, 0.3233, 0.2439



17.9026, 0.3071, 0.3051



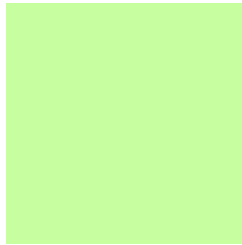
7.2076, 0.2196, 0.0984



0.7659, 0.2308, 0.1045

Previews

White Background



This preview shows how the Yxy color 85.5638, 0.3313, 0.4338 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 85.5638, 0.3313, 0.4338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

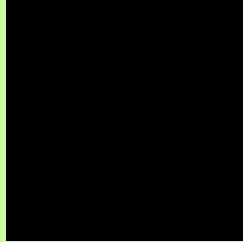
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

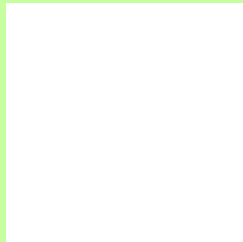
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5638, 0.3313, 0.4338

Background



This preview shows how black text looks on a background with the Yxy color 85.5638, 0.3313, 0.4338.

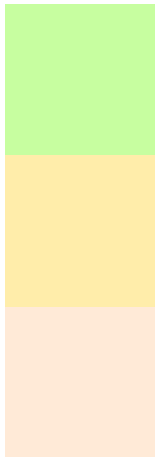


This preview shows how white text looks on a background with the Yxy color 85.5638, 0.3313, 0.4338.

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

85.5638, 0.3313, 0.4338

Protanopia

84.7307, 0.3686, 0.3964

Deuteranopia

85.0119, 0.3395, 0.3480



Tritanopia

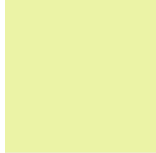
85.5027, 0.2919, 0.3146

Trichromacy



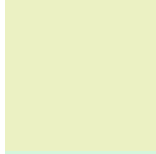
Original Color

85.5638, 0.3313, 0.4338



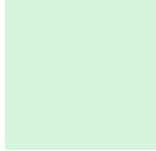
Protanomaly

84.5165, 0.3549, 0.4098



Deuteranomaly

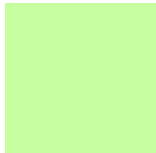
84.5129, 0.3373, 0.3772



Tritanomaly

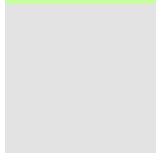
85.2250, 0.3070, 0.3568

Monochromacy



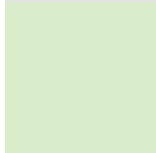
Original Color

85.5638, 0.3313, 0.4338



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.6319, 0.3204, 0.3661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5638, 0.3313, 0.4338 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, 254, 160)` looks like.

```
.text, #text, p{  
    color:rgb(199, 254, 160)  
}
```

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, 254, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 254, 160) }
```

Border

The CSS property to change the border of an element to Yxy 85.5638, 0.3313, 0.4338 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, 254, 160) }
```

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

```
.border{ border-color:rgb(199, 254, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 254, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 254, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 254, 160);  
box-shadow:4px 4px 4px 4px rgb(199, 254,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5638, 0.3313, 0.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 254, 160) }
```

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

```
.background{ background-color: rgb(199,  
254, 160) }
```

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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