

Converting Colors

Yxy(158.0658, 0.3175, 0.4999)

Have a look what the booklet for
Yxy(158.0658, 0.3175, 0.4999)
contains.

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Color

Yxy(85.3261, 0.3283, 0.4382)

Conversions

Conversions Part 1

Format	Color
Hex	C1FF9E
RGB	193, 255, 158
RGB Percent	76%, 100%, 62%
CMY	0.2431, 0.0000, 0.3802
CMYK	0.24, 0.00, 0.38, 0.00
HSL	98°, 100%, 81%
HSV	98°, 38%, 100%
XYZ	63.9264, 85.3261, 45.4670
YIQ	225.4040, -5.8150, -43.3110

Conversions

Conversions Part 2

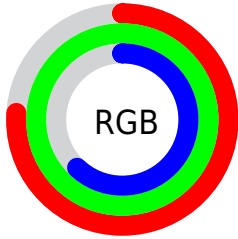
Format	Color
RYB	158, 255, 220
Decimal	12713886
CIELab	94.02, -36.16, 40.21
CIELCh	94, 54.076, 131.968
Yxy	85.3261, 0.3283, 0.4382
Android (android.graphics.Color)	4290903966 (0xFFC1FF9E)
YUV	225.4040, -33.2302, -28.4183
Hunter-Lab	92.3721, -38.1197, 35.4770

Details

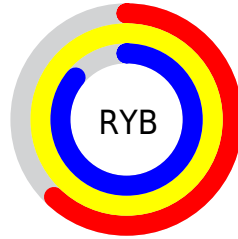
The Yxy color **85.3261, 0.3283, 0.4382** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.9118, 0.2886, 0.2264**, and the grayscale version is **75.8507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8843, 0.3343, 0.3694**, and **46.7265, 0.3292, 0.4653** is the 20% darker color. If you saturate the color by 10%, you get **82.5119, 0.3308, 0.4703**, and if you desaturate by 10%, it is **88.5616, 0.3249, 0.4067**.

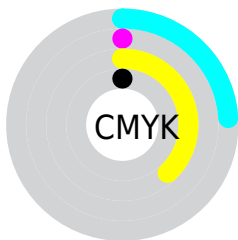
Distribution



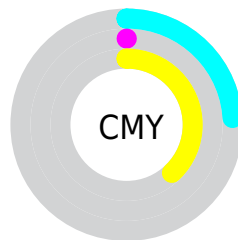
- Red (76%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (86%)



- Cyan (24%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3261, 0.3283, 0.4382 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 85.3261, 0.3283, 0.4382 by changing the saturation by 10% instead.

 85.3261, 0.3283,
0.4382


 85.3261, 0.3283,
0.4382


512.7065, 0.3231,
0.3866

 64.1109, 0.3289,
0.4501

 140.8287, 0.3270,
0.4202

 46.7405, 0.3294,
0.4648


 175.8848, 0.3263,
0.4132

 32.8305, 0.3295,
0.4833


216.3234, 0.3257,
0.4072

 21.9967, 0.3288,
0.5073

262.5288, 0.3251,
0.4020

 13.8544, 0.3263,
0.5394

314.8854, 0.3246,
0.3974

 8.0195, 0.3198,
0.5836

373.7776, 0.3241,

 4.1074, 0.3150,

0.3934

0.6712

439.5899, 0.3236,
0.3898

■ 1.7338, 0.2548,
0.7452

■ 0.4454, 0.0000,
1.0000

■ 85.3261, 0.3283,
0.4382

■ 85.3261, 0.3283,
0.4382

■ 82.5119, 0.3308,
0.4703

■ 88.5616, 0.3249,
0.4067

■ 80.0958, 0.3319,
0.5016

■ 92.2318, 0.3208,
0.3768

■ 78.0586, 0.3313,
0.5302

■ 96.3548, 0.3164,
0.3493

■ 76.3774, 0.3290,
0.5542

100.0000, 0.3127,
0.3290

■ 75.0263, 0.3250,
0.5721

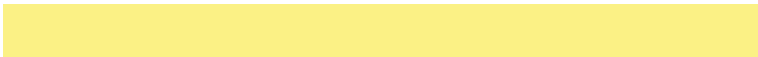
■ 73.9724, 0.3196,
0.5835

■ 73.7918, 0.3186,
0.5853

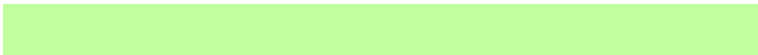
Harmonies

Analogous

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



85.3261, 0.3858, 0.4361



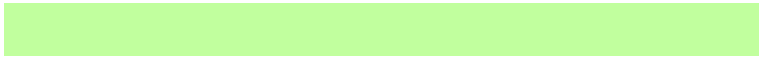
85.3261, 0.3283, 0.4382



85.3261, 0.2696, 0.4002

Triad

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



85.3261, 0.3283, 0.4382



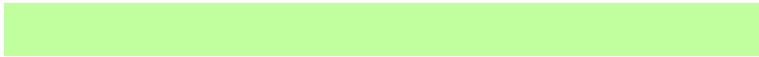
85.3261, 0.2087, 0.2445



85.3261, 0.4064, 0.3113

Complementary

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



85.3261, 0.3283, 0.4382



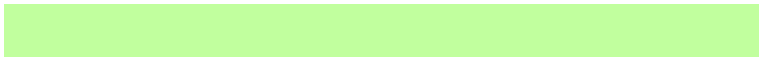
46.9118, 0.2886, 0.2264

Split Complementary

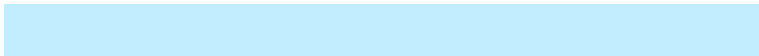
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3261, 0.3501, 0.2704



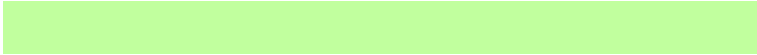
85.3261, 0.3283, 0.4382



85.3261, 0.2373, 0.2327

Square

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



85.3261, 0.3283, 0.4382



85.3261, 0.2043, 0.2804



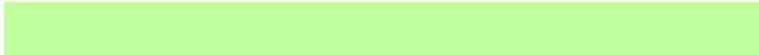
85.3261, 0.2874, 0.2425



85.3261, 0.4348, 0.3583

Rectangle

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



85.3261, 0.3283, 0.4382



85.3261, 0.2376, 0.3594



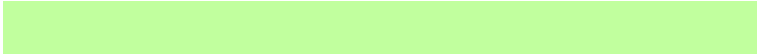
85.3261, 0.2874, 0.2425



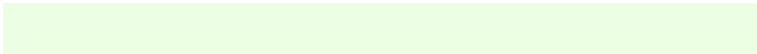
85.3261, 0.3898, 0.2966

Sweetspot

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



85.3274, 0.3283, 0.4382



95.0786, 0.3177, 0.3572



74.6282, 0.3826, 0.3919



20.2293, 0.3183, 0.3609



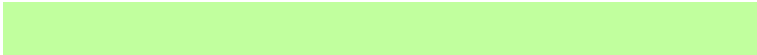
0.0000, 0.0000, 0.0000



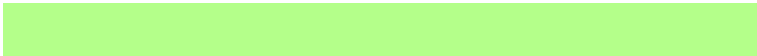
21.4041, 0.3127, 0.3290

Same Dimension

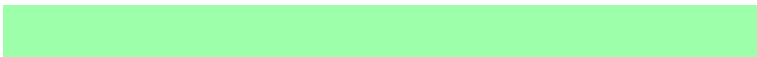
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3274, 0.3283, 0.4382



83.0482, 0.3304, 0.4639



81.7329, 0.3008, 0.4297



20.4868, 0.3170, 0.3532



38.6341, 0.3197, 0.5844



3.8206, 0.3283, 0.5775

Inverse Universe

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



46.9118, 0.2886, 0.2264



39.4140, 0.2818, 0.2040



52.1442, 0.3277, 0.2458



17.9537, 0.3080, 0.3052



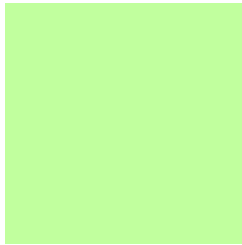
7.9322, 0.2319, 0.1051



0.8340, 0.2420, 0.1107

Previews

White Background



This preview shows how the Yxy color 85.3261, 0.3283, 0.4382 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 85.3261, 0.3283, 0.4382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

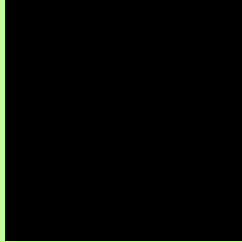
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.3261, 0.3283, 0.4382

Background



This preview shows how black text looks on a background with the Yxy color 85.3261, 0.3283, 0.4382.

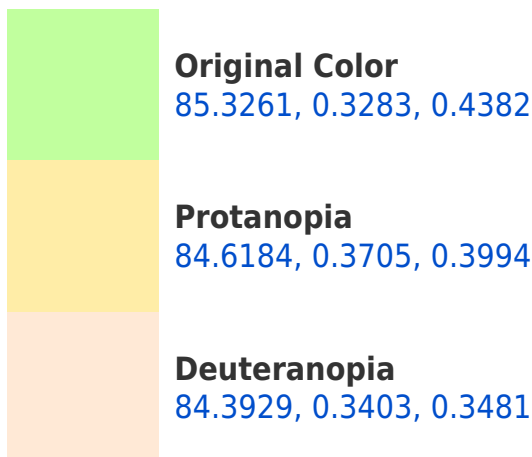


This preview shows how white text looks on a background with the Yxy color 85.3261, 0.3283, 0.4382.

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





Tritanopia

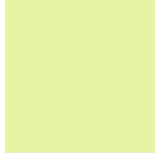
85.0360, 0.2901, 0.3145

Trichromacy



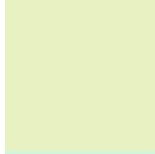
Original Color

85.3261, 0.3283, 0.4382



Protanomaly

84.5375, 0.3537, 0.4134



Deuteranomaly

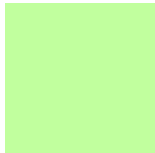
83.9614, 0.3358, 0.3786



Tritanomaly

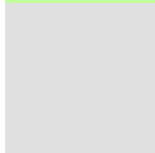
84.6342, 0.3045, 0.3570

Monochromacy



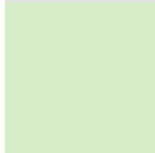
Original Color

85.3261, 0.3283, 0.4382



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.3541, 0.3190, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3261, 0.3283, 0.4382 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(193, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 158)  
}
```

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(193, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 158) }
```

Border

The CSS property to change the border of an element to Yxy 85.3261, 0.3283, 0.4382 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(193, 255, 158) }
```

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

```
.border{ border-color:rgb(193, 255, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 255, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 255, 158); box-shadow:4px 4px 4px 4px rgb(193, 255, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3261, 0.3283, 0.4382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 158) }
```

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

```
.background{ background-color: rgb(193,  
255, 158) }
```

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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