

# Converting Colors

$Y_{xy}(114.6859, 0.3266, 0.4757)$

Have a look what the booklet for  
Yxy(114.6859, 0.3266, 0.4757)  
contains.

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# Color

**Yxy(85.5228, 0.3334, 0.4442)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4FF98
RGB	196, 255, 152
RGB Percent	77%, 100%, 60%
CMY	0.2314, 0.0000, 0.4040
CMYK	0.23, 0.00, 0.40, 0.00
HSL	94°, 100%, 80%
HSV	94°, 40%, 100%
XYZ	64.1902, 85.5228, 42.8192
YIQ	225.6170, -2.1010, -44.5410

# Conversions

## Conversions Part 2

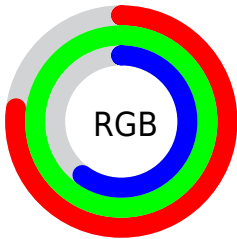
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 255, 211
Decimal	12910488
CIELab	94.11, -35.92, 43.31
CIElCh	94, 56.272, 129.673
Yxy	85.5228, 0.3334, 0.4442
Android (android.graphics.Color)	4291100568 (0xFFC4FF98)
YUV	225.6170, -36.2932, -25.9741
Hunter-Lab	92.4785, -37.9389, 37.2827

# Details

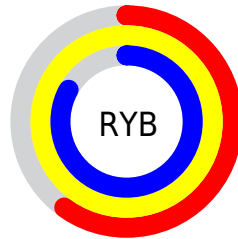
The Yxy color **85.5228, 0.3334, 0.4442** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.5150, 0.2811, 0.2179**, and the grayscale version is **76.0272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0958, 0.3405, 0.3761**, and **46.8645, 0.3352, 0.4723** is the 20% darker color. If you saturate the color by 10%, you get **82.9101, 0.3366, 0.4753**, and if you desaturate by 10%, it is **88.5035, 0.3291, 0.4132**.

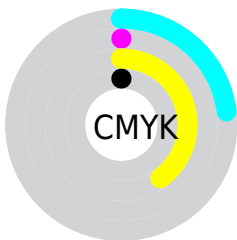
# Distribution



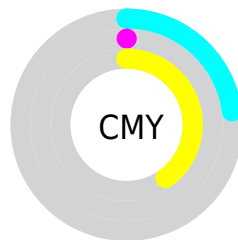
- Red (77%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (83%)



- Cyan (23%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5228, 0.3334, 0.4442 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 85.5228, 0.3334, 0.4442 by changing the saturation by 10% instead.




 85.5228, 0.3334,  
0.4442


 85.5228, 0.3334,  
0.4442


513.3564, 0.3262,  
0.3899

 64.2734, 0.3344,  
0.4566

 141.1034, 0.3314,  
0.4253

 46.8722, 0.3353,  
0.4720


 176.2034, 0.3305,  
0.4180

 32.9346, 0.3358,  
0.4912


216.6891, 0.3296,  
0.4116

 22.0764, 0.3355,  
0.5160

262.9448, 0.3288,  
0.4061

 13.9130, 0.3333,  
0.5488

315.3550, 0.3281,  
0.4013

 8.0602, 0.3267,  
0.5932


374.3041, 0.3274,


 4.1335, 0.3209,


0.3971


0.6791


440.1764, 0.3268,  
0.3933


 1.7485, 0.2579,  
0.7421


 0.4548, 0.0000,  
1.0000

 85.5228, 0.3334,  
0.4442

 85.5228, 0.3334,  
0.4442

 82.9101, 0.3366,  
0.4753


 88.5035, 0.3291,  
0.4132

 80.6517, 0.3382,  
0.5051

 91.8714, 0.3240,  
0.3834

 78.7278, 0.3379,  
0.5317

 95.6400, 0.3186,  
0.3555

 77.1177, 0.3356,  
0.5536

99.8234, 0.3129,  
0.3300

■ 75.7972, 0.3313,  
0.5695

100.0000, 0.3127,  
0.3290

■ 74.7685, 0.3259,  
0.5794

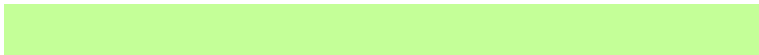
# Harmonies

## Analogous

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



85.5228, 0.3923, 0.4384



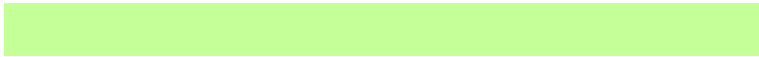
85.5228, 0.3334, 0.4442



85.5228, 0.2720, 0.4076

# Triad

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



85.5228, 0.3334, 0.4442



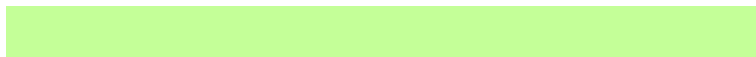
85.5228, 0.2038, 0.2433



85.5228, 0.4064, 0.3069

# Complementary

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



85.5228, 0.3334, 0.4442



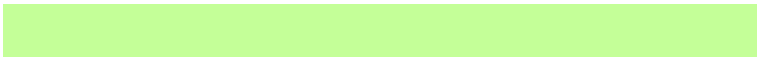
43.5150, 0.2811, 0.2179

# Split Complementary

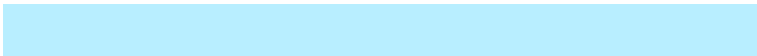
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5228, 0.3464, 0.2656



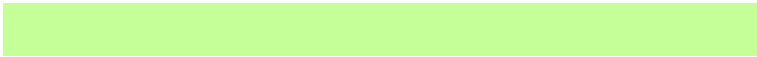
85.5228, 0.3334, 0.4442



85.5228, 0.2314, 0.2295

# Square

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



85.5228, 0.3334, 0.4442



85.5228, 0.2012, 0.2821



85.5228, 0.2817, 0.2381

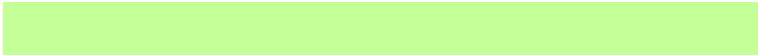


85.5228, 0.4387, 0.3552



# Rectangle

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



85.5228, 0.3334, 0.4442



85.5228, 0.2381, 0.3657



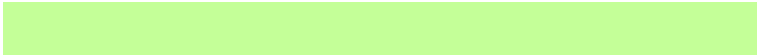
85.5228, 0.2817, 0.2381



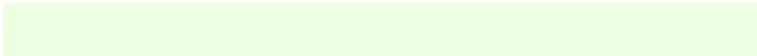
85.5228, 0.3884, 0.2920

# Sweetspot

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



85.5217, 0.3334, 0.4442



95.0099, 0.3194, 0.3598



69.7959, 0.3906, 0.3892



20.2275, 0.3202, 0.3634



0.0000, 0.0000, 0.0000

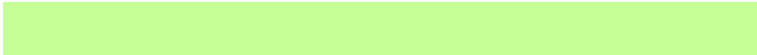


21.4041, 0.3127, 0.3290

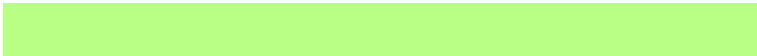


# Same Dimension

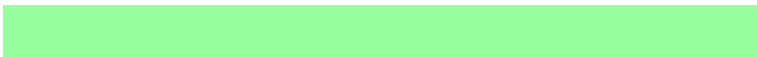
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5217, 0.3334, 0.4442



83.5043, 0.3359, 0.4679



80.6911, 0.3035, 0.4457



20.5475, 0.3181, 0.3531



39.1520, 0.3271, 0.5785



3.8749, 0.3359, 0.5715



# Inverse Universe

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



43.5150, 0.2811, 0.2179



36.5402, 0.2732, 0.1960



50.4946, 0.3230, 0.2349



17.8913, 0.3069, 0.3051



7.0576, 0.2170, 0.0969

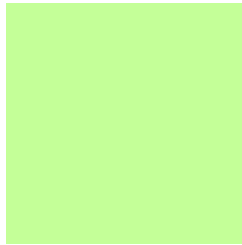


0.7516, 0.2284, 0.1032



# Previews

## White Background



This preview shows how the Yxy color 85.5228, 0.3334, 0.4442 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 85.5228, 0.3334, 0.4442 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

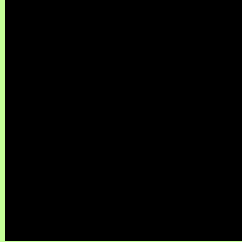
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.5228, 0.3334, 0.4442**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.5228, 0.3334, 0.4442.

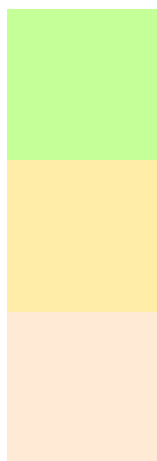


This preview shows how white text looks on a background with the Yxy color 85.5228, 0.3334, 0.4442.

# 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

85.5228, 0.3334, 0.4442

### Protanopia

84.6555, 0.3699, 0.3984

### Deuteranopia

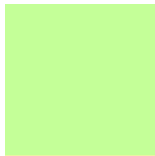
84.9607, 0.3402, 0.3490



## Tritanopia

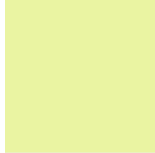
85.3462, 0.2913, 0.3146

# Trichromacy



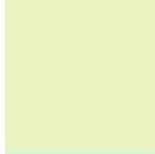
## Original Color

85.5228, 0.3334, 0.4442



## Protanomaly

84.8024, 0.3563, 0.4150



## Deuteranomaly

84.7583, 0.3389, 0.3826



## Tritanomaly

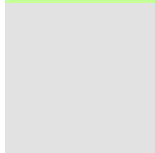
84.8224, 0.3069, 0.3591

# Monochromacy



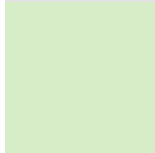
## Original Color

85.5228, 0.3334, 0.4442



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.1390, 0.3215, 0.3708

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.5228, 0.3334, 0.4442 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(196, 255, 152)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 152)  
}
```

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(196, 255, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 85.5228, 0.3334, 0.4442 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(196, 255, 152) }
```

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

```
.border{ border-color:rgb(196, 255, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 152);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.5228, 0.3334, 0.4442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 152) }
```

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

```
.background{ background-color: rgb(196,  
255, 152) }
```

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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