

Converting Colors

$Y_{xy}(129.0425, 0.3176, 0.4841)$

Have a look what the booklet for
Yxy(129.0425, 0.3176, 0.4841)
contains.

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Color

Yxy(84.5534, 0.3245, 0.4396)

Conversions

Conversions Part 1

Format	Color
Hex	BBFF9E
RGB	187, 255, 158
RGB Percent	73%, 100%, 62%
CMY	0.2669, 0.0000, 0.3804
CMYK	0.27, 0.00, 0.38, 0.00
HSL	102°, 100%, 81%
HSV	102°, 38%, 100%
XYZ	62.4149, 84.5534, 45.3734
YIQ	223.6100, -9.3910, -44.5830

Conversions

Conversions Part 2

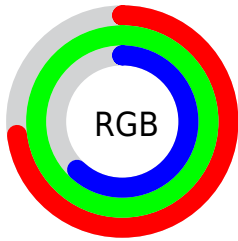
Format	Color
RYB	158, 255, 226
Decimal	12320670
CIELab	93.69, -38.21, 39.74
CIElCh	94, 55.123, 133.876
Yxy	84.5534, 0.3245, 0.4396
Android (android.graphics.Color)	4290510750 (0xFFBBFF9E)
YUV	223.6100, -32.3457, -32.1070
Hunter-Lab	91.9529, -39.7572, 35.1109

Details

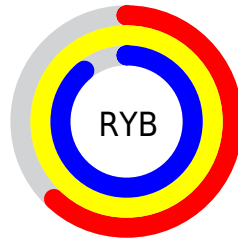
The Yxy color **84.5534, 0.3245, 0.4396** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.8464, 0.2935, 0.2277**, and the grayscale version is **74.4756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7875, 0.3304, 0.3699**, and **46.2334, 0.3245, 0.4673** is the 20% darker color. If you saturate the color by 10%, you get **81.6412, 0.3261, 0.4725**, and if you desaturate by 10%, it is **87.9154, 0.3220, 0.4074**.

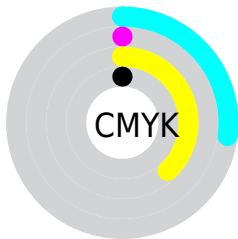
Distribution



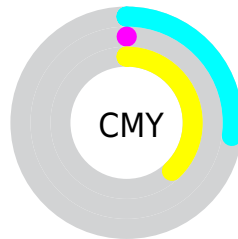
- Red (73%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (89%)



- Cyan (27%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5534, 0.3245, 0.4396 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 84.5534, 0.3245, 0.4396 by changing the saturation by 10% instead.


 84.5534, 0.3245,
0.4396


 84.5534, 0.3245,
0.4396


510.1491, 0.3211,
0.3871

 63.4724, 0.3247,
0.4517


 139.7490, 0.3238,
0.4212

 46.2235, 0.3247,
0.4668


 174.6325, 0.3233,
0.4141

 32.4222, 0.3242,
0.4858


214.8856, 0.3229,
0.4080

 21.6842, 0.3227,
0.5106

260.8927, 0.3225,
0.4027

 13.6250, 0.3191,
0.5439

313.0382, 0.3221,
0.3981

 7.8603, 0.3110,
0.5900

371.7065, 0.3218,


 4.0057, 0.3040,


0.3940


0.6827

437.2820, 0.3214,
0.3904


 1.6768, 0.2325,
0.7675


 0.4085, 0.0000,
1.0000

 84.5534, 0.3245,
0.4396


 84.5534, 0.3245,
0.4396


 81.6412, 0.3261,
0.4725

 87.9154, 0.3220,
0.4074

 79.1772, 0.3264,
0.5047

 91.7674, 0.3190,
0.3771

 77.1312, 0.3253,
0.5341

 96.1216, 0.3156,
0.3494

 75.4772, 0.3227,
0.5587

100.0000, 0.3127,
0.3290

■ 74.1857, 0.3187,
0.5769

■ 73.2199, 0.3138,
0.5881

■ 73.0614, 0.3128,
0.5898

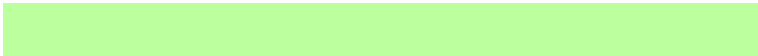
Harmonies

Analogous

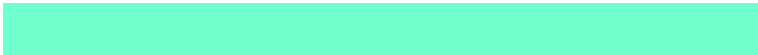
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5534, 0.3838, 0.4397



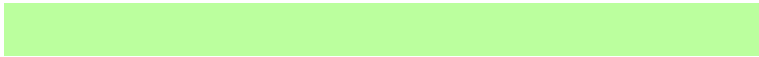
84.5534, 0.3245, 0.4396



84.5534, 0.2651, 0.3983

Triad

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



84.5534, 0.3245, 0.4396



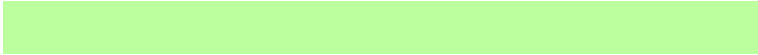
84.5534, 0.2078, 0.2413



84.5534, 0.4114, 0.3138

Complementary

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



84.5534, 0.3245, 0.4396



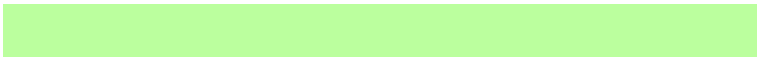
47.8464, 0.2935, 0.2277

Split Complementary

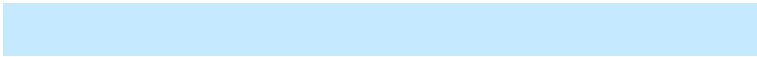
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5534, 0.3549, 0.2716



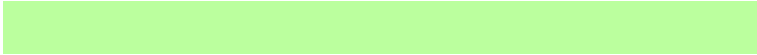
84.5534, 0.3245, 0.4396



84.5534, 0.2383, 0.2309

Square

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



84.5534, 0.3245, 0.4396



84.5534, 0.2017, 0.2761



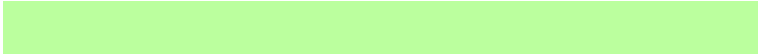
84.5534, 0.2906, 0.2422



84.5534, 0.4381, 0.3618

Rectangle

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



84.5534, 0.3245, 0.4396



84.5534, 0.2334, 0.3558



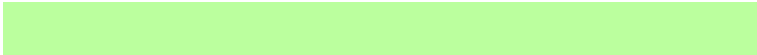
84.5534, 0.2906, 0.2422



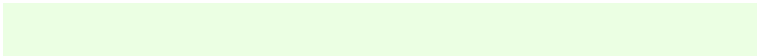
84.5534, 0.3949, 0.2987

Sweetspot

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



84.5467, 0.3245, 0.4396



94.7805, 0.3166, 0.3573



78.0652, 0.3803, 0.3980



20.1586, 0.3171, 0.3610



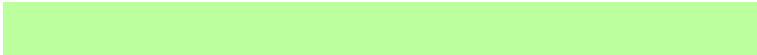
0.0000, 0.0000, 0.0000



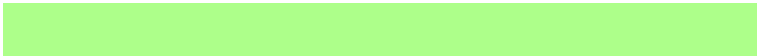
21.4041, 0.3127, 0.3290

Same Dimension

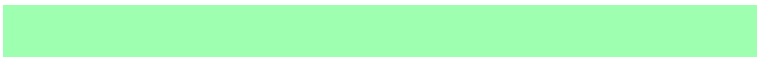
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5467, 0.3245, 0.4396



82.1980, 0.3258, 0.4658



81.9782, 0.2975, 0.4217



20.4309, 0.3161, 0.3533



38.2432, 0.3138, 0.5890



3.7774, 0.3221, 0.5825

Inverse Universe

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



47.8464, 0.2935, 0.2277



40.5244, 0.2880, 0.2062



51.7436, 0.3332, 0.2515



18.0122, 0.3090, 0.3052



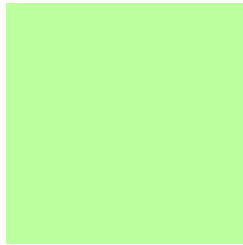
8.8542, 0.2464, 0.1131



0.9189, 0.2551, 0.1179

Previews

White Background



This preview shows how the Yxy color 84.5534, 0.3245, 0.4396 looks on a white background.

Color Contrast Check

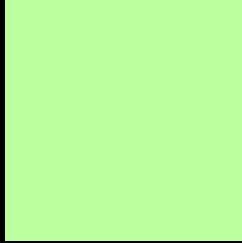
Large Text (above 18pt) WCAG AA × Fail

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 84.5534, 0.3245, 0.4396 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 84.5534, 0.3245, 0.4396

Background



This preview shows how black text looks on a background with the Yxy color 84.5534, 0.3245, 0.4396.

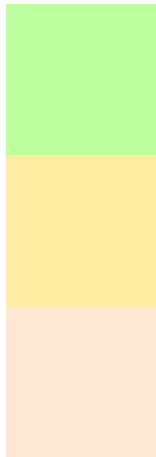


This preview shows how white text looks on a background with the Yxy color 84.5534, 0.3245, 0.4396.

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

84.5534, 0.3245, 0.4396

Protanopia

83.8241, 0.3747, 0.4044

Deuteranopia

83.6764, 0.3425, 0.3501



Tritanopia

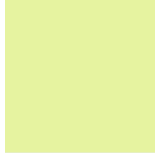
84.2767, 0.2871, 0.3144

Trichromacy



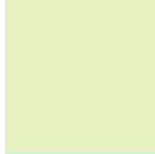
Original Color

84.5534, 0.3245, 0.4396



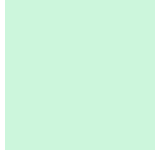
Protanomaly

83.4622, 0.3549, 0.4171



Deuteranomaly

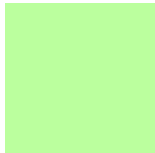
82.9489, 0.3359, 0.3800



Tritanomaly

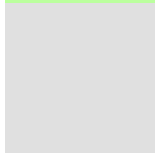
83.9162, 0.3013, 0.3573

Monochromacy



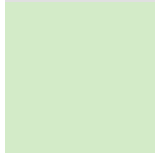
Original Color

84.5534, 0.3245, 0.4396



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.4357, 0.3183, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5534, 0.3245, 0.4396 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(187, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 158) }
```

Border

The CSS property to change the border of an element to Yxy 84.5534, 0.3245, 0.4396 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(187, 255, 158) }
```

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

```
.border{ border-color:rgb(187, 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(187, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5534, 0.3245, 0.4396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 158) }
```

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

```
.background{ background-color: rgb(187,  
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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