

Converting Colors

Yxy(83.8994, 0.3153, 0.4142)

Have a look what the booklet for
Yxy(83.8994, 0.3153, 0.4142)
contains.

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Color

Yxy(83.6540, 0.3154, 0.4133)

Conversions

Conversions Part 1

Format	Color
Hex	BDFCB2
RGB	189, 252, 178
RGB Percent	74%, 99%, 70%
CMY	0.2587, 0.0118, 0.3019
CMYK	0.25, 0.00, 0.29, 0.01
HSL	111°, 92%, 84%
HSV	111°, 29%, 99%
XYZ	63.8385, 83.6540, 54.9125
YIQ	224.7270, -13.7940, -36.3700

Conversions

Conversions Part 2

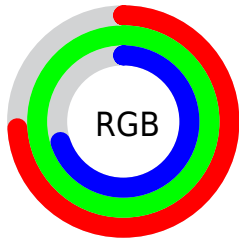
Format	Color
RYB	178, 252, 241
Decimal	12450994
CIELab	93.30, -33.24, 29.25
CIELCh	93, 44.282, 138.655
Yxy	83.6540, 0.3154, 0.4133
Android (android.graphics.Color)	4290641074 (0xFFBDFCB2)
YUV	224.7270, -23.0364, -31.3326
Hunter-Lab	91.4626, -35.4710, 28.4271

Details

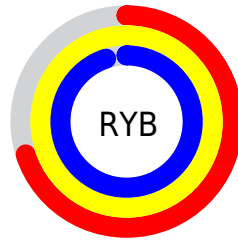
The Yxy color **83.6540, 0.3154, 0.4133** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.5785, 0.3075, 0.2538**, and the grayscale version is **75.2711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0533, 0.3193, 0.3496**, and **45.5792, 0.3145, 0.4337** is the 20% darker color. If you saturate the color by 10%, you get **80.1924, 0.3156, 0.4471**, and if you desaturate by 10%, it is **87.7145, 0.3148, 0.3817**.

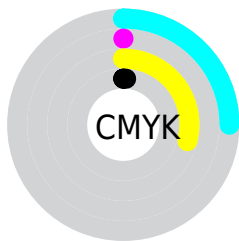
Distribution



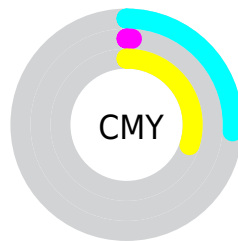
- Red (74%)
- Green (99%)
- Blue (70%)



- Red (70%)
- Yellow (99%)
- Blue (95%)



- Cyan (25%)
- Magenta (0%)
- Yellow (29%)
- Black (1%)




- Cyan (26%)
- Magenta (1%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6540, 0.3154, 0.4133 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 83.6540, 0.3154, 0.4133 by changing the saturation by 10% instead.

 83.6540, 0.3154,
0.4133

 83.6540, 0.3154,
0.4133


507.1636, 0.3153,
0.3734

 62.7298, 0.3151,
0.4226


 138.4911, 0.3156,
0.3993

 45.6227, 0.3147,
0.4341


173.1727, 0.3156,
0.3939

 31.9482, 0.3138,
0.4488


213.2090, 0.3156,
0.3893

 21.3219, 0.3123,
0.4682

258.9843, 0.3155,
0.3853

 13.3595, 0.3095,
0.4946

310.8830, 0.3155,
0.3817

 7.6766, 0.3038,
0.5326


369.2896, 0.3154,


 3.8887, 0.2920,

0.3786

0.5918


434.5883, 0.3153,
0.3759


 1.6115, 0.2673,
0.7327


 0.3653, 0.0000,
1.0000

 83.6540, 0.3154,
0.4133


 83.6540, 0.3154,
0.4133


 80.1924, 0.3156,
0.4471

 87.7145, 0.3148,
0.3817


 77.2909, 0.3152,
0.4819


 92.3892, 0.3138,
0.3530


 74.9231, 0.3141,
0.5156


 97.7062, 0.3126,
0.3275


 73.0556, 0.3122,
0.5460

 98.1003, 0.3128,
0.3261

 71.6517, 0.3097,
0.5706

 70.6690, 0.3067,
0.5875

 70.0525, 0.3037,
0.5967

 70.0225, 0.3035,
0.5972

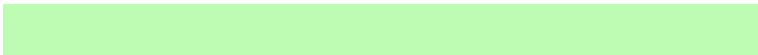
Harmonies

Analogous

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



83.6540, 0.3646, 0.4204



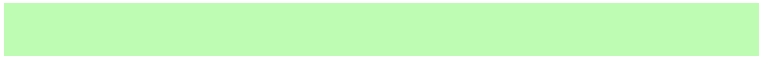
83.6540, 0.3154, 0.4133



83.6540, 0.2678, 0.3765

Triad

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



83.6540, 0.3154, 0.4133



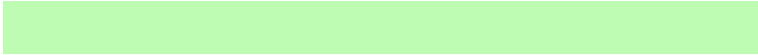
83.6540, 0.2289, 0.2547



83.6540, 0.3974, 0.3237

Complementary

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



83.6540, 0.3154, 0.4133



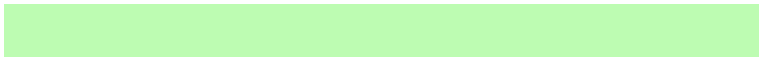
57.5785, 0.3075, 0.2538

Split Complementary

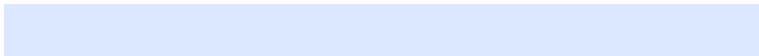
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6540, 0.3553, 0.2869



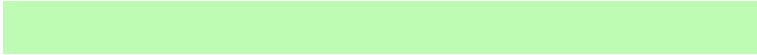
83.6540, 0.3154, 0.4133



83.6540, 0.2578, 0.2482

Square

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



83.6540, 0.3154, 0.4133



83.6540, 0.2205, 0.2811



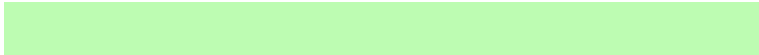
83.6540, 0.3033, 0.2601



83.6540, 0.4145, 0.3640

Rectangle

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



83.6540, 0.3154, 0.4133



83.6540, 0.2431, 0.3427



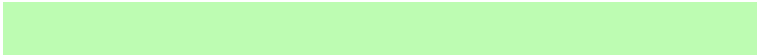
83.6540, 0.3033, 0.2601



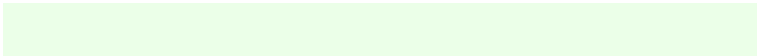
83.6540, 0.3856, 0.3107

Sweetspot

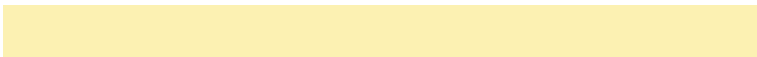
The Sweet Spot groups the original color and five complimentary colors.



83.6576, 0.3154, 0.4133



95.0901, 0.3138, 0.3520



86.7636, 0.3601, 0.3925



20.1942, 0.3139, 0.3560



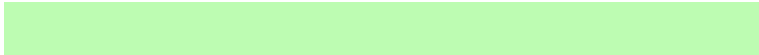
0.0000, 0.0000, 0.0000



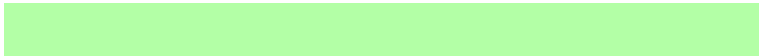
21.4041, 0.3127, 0.3290

Same Dimension

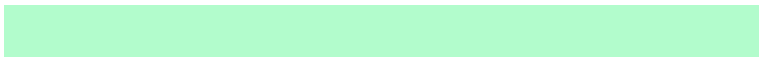
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6576, 0.3154, 0.4133



83.8505, 0.3156, 0.4323



83.4436, 0.2948, 0.3840



19.4330, 0.3138, 0.3534



36.5140, 0.3042, 0.5967



3.4176, 0.3105, 0.5917

Inverse Universe

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



57.5785, 0.3075, 0.2538



53.2306, 0.3061, 0.2390



58.0421, 0.3366, 0.2798



17.3861, 0.3114, 0.3055



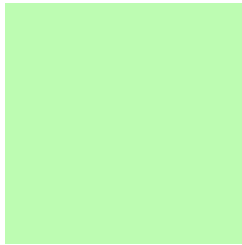
11.2005, 0.2835, 0.1336



1.0718, 0.2883, 0.1362

Previews

White Background



This preview shows how the Yxy color 83.6540, 0.3154, 0.4133 looks on a white background.

Color Contrast Check

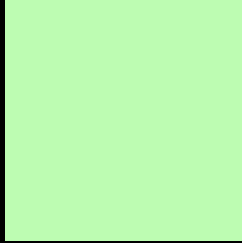
Large Text (above 18pt) WCAG AA × Fail

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 83.6540, 0.3154, 0.4133 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

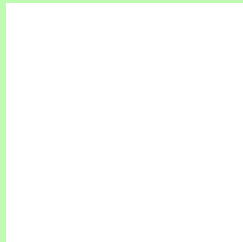
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6540, 0.3154, 0.4133

Background



This preview shows how black text looks on a background with the Yxy color 83.6540, 0.3154, 0.4133.

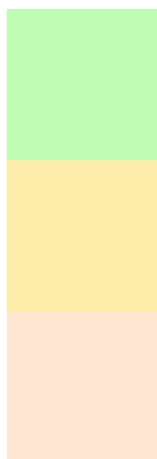


This preview shows how white text looks on a background with the Yxy color 83.6540, 0.3154, 0.4133.

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

83.6540, 0.3154, 0.4133

Protanopia

83.2016, 0.3677, 0.3949

Deuteranopia

83.1653, 0.3420, 0.3481



Tritanopia

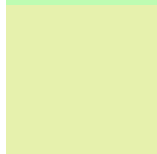
83.3891, 0.2858, 0.3133

Trichromacy



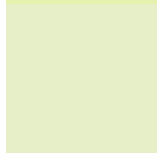
Original Color

83.6540, 0.3154, 0.4133



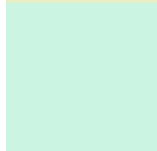
Protanomaly

82.7507, 0.3475, 0.4015



Deuteranomaly

82.8921, 0.3317, 0.3703



Tritanomaly

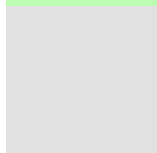
82.9439, 0.2967, 0.3474

Monochromacy



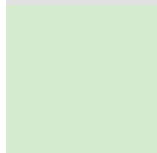
Original Color

83.6540, 0.3154, 0.4133



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

77.9678, 0.3140, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6540, 0.3154, 0.4133 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(189, 252, 178)` looks like.

```
.text, #text, p{  
    color:rgb(189, 252, 178)  
}
```

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(189, 252, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 252, 178) }
```

Border

The CSS property to change the border of an element to Yxy 83.6540, 0.3154, 0.4133 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(189, 252, 178) }
```

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

```
.border{ border-color:rgb(189, 252, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 252, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 252, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 252, 178);  
box-shadow:4px 4px 4px 4px rgb(189, 252,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6540, 0.3154, 0.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 252, 178) }
```

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

```
.background{ background-color: rgb(189,  
252, 178) }
```

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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