

Converting Colors

$Yxy(86.8231, 0.3248, 0.4200)$

Have a look what the booklet for
Yxy(86.8231, 0.3248, 0.4200)
contains.

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Color

Yxy(86.8165, 0.3247, 0.4200)

Conversions

Conversions Part 1

Format	Color
Hex	C8FFAD
RGB	200, 255, 173
RGB Percent	78%, 100%, 68%
CMY	0.2158, 0.0000, 0.3214
CMYK	0.22, 0.00, 0.32, 0.00
HSL	100°, 100%, 84%
HSV	100°, 32%, 100%
XYZ	67.1174, 86.8165, 52.7720
YIQ	229.2070, -6.4580, -37.1620

Conversions

Conversions Part 2

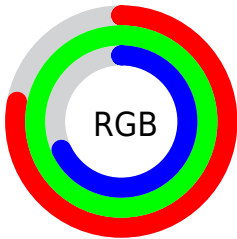
Format	Color
RYB	173, 255, 228
Decimal	13172653
CIELab	94.66, -31.74, 33.69
CIElCh	95, 46.286, 133.287
Yxy	86.8165, 0.3247, 0.4200
Android (android.graphics.Color)	4291362733 (0xFFC8FFAD)
YUV	229.2070, -27.7101, -25.6145
Hunter-Lab	93.1754, -34.4772, 31.6425

Details

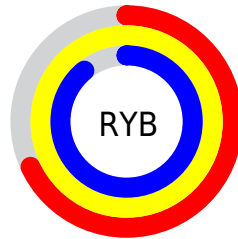
The Yxy color **86.8165, 0.3247, 0.4200** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.6269, 0.2953, 0.2436**, and the grayscale version is **78.7202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **47.7640, 0.3260, 0.4416** is the 20% darker color. If you saturate the color by 10%, you get **83.6912, 0.3273, 0.4523**, and if you desaturate by 10%, it is **90.3869, 0.3214, 0.3891**.

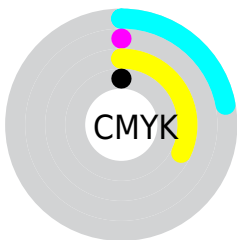
Distribution



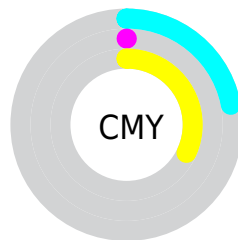
- Red (78%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8165, 0.3247, 0.4200 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 86.8165, 0.3247, 0.4200 by changing the saturation by 10% instead.


 86.8165, 0.3247,
0.4200

 86.8165, 0.3247,
0.4200


517.6197, 0.3206,
0.3773

 65.3434, 0.3253,
0.4298

 142.9083, 0.3236,
0.4051

 47.7396, 0.3258,
0.4419

178.2958, 0.3230,
0.3994

 33.6207, 0.3261,
0.4573


219.0902, 0.3225,
0.3944

 22.6023, 0.3261,
0.4772

265.6760, 0.3221,
0.3901

 14.3002, 0.3250,
0.5041

318.4374, 0.3217,
0.3863

 8.3297, 0.3215,
0.5418


377.7589, 0.3213,


 4.3067, 0.3135,


0.3830


0.6005

444.0248, 0.3209,
0.3800


 1.8465, 0.2937,
0.7063


 0.5159, 0.0000,
1.0000


 86.8165, 0.3247,
0.4200

 86.8165, 0.3247,
0.4200


 83.6912, 0.3273,
0.4523


 90.3869, 0.3214,
0.3891

 81.0026, 0.3288,
0.4847

 94.4315, 0.3176,
0.3604

 78.7260, 0.3289,
0.5156

 98.9639, 0.3136,
0.3342

 76.8385, 0.3274,
0.5429

100.0000, 0.3127,
0.3290

■ 75.3146, 0.3242,
0.5648

■ 74.1245, 0.3196,
0.5801

■ 73.3944, 0.3155,
0.5877

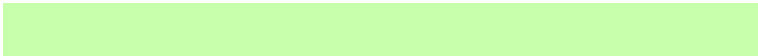
Harmonies

Analogous

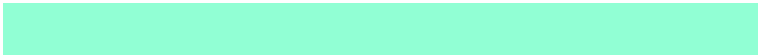
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8165, 0.3742, 0.4213



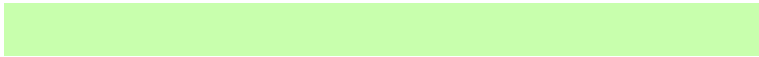
86.8165, 0.3247, 0.4200



86.8165, 0.2743, 0.3867

Triad

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



86.8165, 0.3247, 0.4200



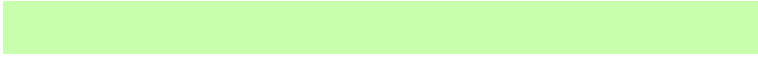
86.8165, 0.2232, 0.2557



86.8165, 0.3940, 0.3162

Complementary

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



86.8165, 0.3247, 0.4200



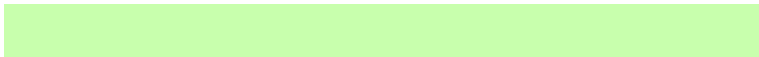
53.6269, 0.2953, 0.2436

Split Complementary

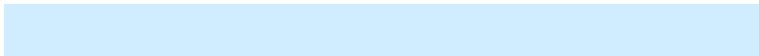
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8165, 0.3472, 0.2798



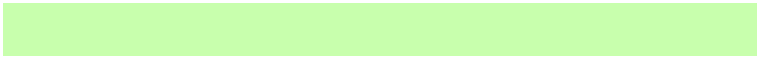
86.8165, 0.3247, 0.4200



86.8165, 0.2494, 0.2456

Square

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



86.8165, 0.3247, 0.4200



86.8165, 0.2186, 0.2865



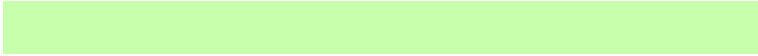
86.8165, 0.2937, 0.2547



86.8165, 0.4170, 0.3575

Rectangle

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



86.8165, 0.3247, 0.4200



86.8165, 0.2470, 0.3527



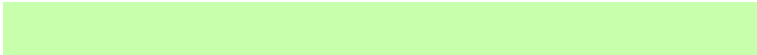
86.8165, 0.2937, 0.2547



86.8165, 0.3803, 0.3032

Sweetspot

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



86.8128, 0.3247, 0.4200



95.3610, 0.3167, 0.3545



79.5887, 0.3694, 0.3846



20.2801, 0.3173, 0.3584



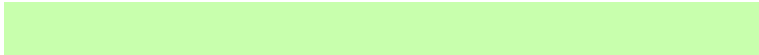
0.0000, 0.0000, 0.0000



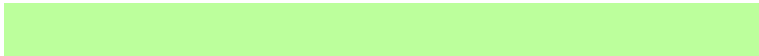
21.4041, 0.3127, 0.3290

Same Dimension

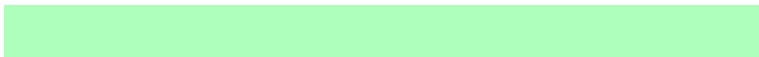
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8128, 0.3247, 0.4200



84.6246, 0.3266, 0.4421



83.9832, 0.3011, 0.4083



20.4579, 0.3165, 0.3532



38.4219, 0.3165, 0.5869



3.7975, 0.3250, 0.5801

Inverse Universe

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



53.6269, 0.2953, 0.2436



46.4277, 0.2904, 0.2244



57.5322, 0.3272, 0.2610



17.9839, 0.3085, 0.3052



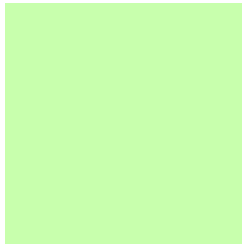
8.3944, 0.2393, 0.1092



0.8767, 0.2487, 0.1144

Previews

White Background



This preview shows how the Yxy color 86.8165, 0.3247, 0.4200 looks on a white background.

Color Contrast Check

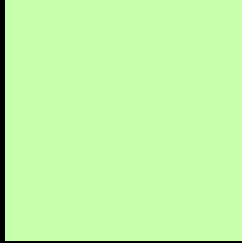
Large Text (above 18pt) WCAG AA × Fail

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 86.8165, 0.3247, 0.4200 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

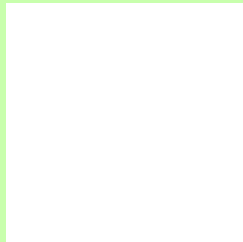
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8165, 0.3247, 0.4200

Background



This preview shows how black text looks on a background with the Yxy color 86.8165, 0.3247, 0.4200.

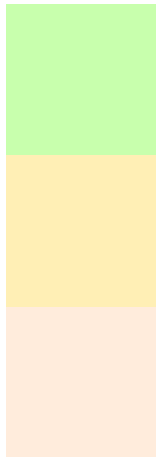


This preview shows how white text looks on a background with the Yxy color 86.8165, 0.3247, 0.4200.

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

86.8165, 0.3247, 0.4200

Protanopia

86.3292, 0.3609, 0.3873

Deuteranopia

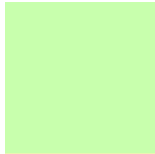
86.4182, 0.3359, 0.3449



Tritanopia

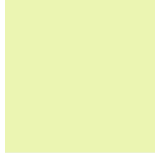
86.4122, 0.2931, 0.3157

Trichromacy



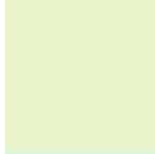
Original Color

86.8165, 0.3247, 0.4200



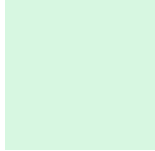
Protanomaly

86.1813, 0.3471, 0.3991



Deuteranomaly

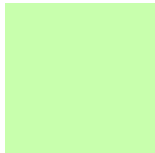
86.0751, 0.3320, 0.3707



Tritanomaly

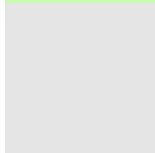
86.4048, 0.3053, 0.3523

Monochromacy



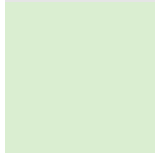
Original Color

86.8165, 0.3247, 0.4200



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6579, 0.3172, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8165, 0.3247, 0.4200 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(200, 255, 173)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 173)  
}
```

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(200, 255, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 173) }
```

Border

The CSS property to change the border of an element to Yxy 86.8165, 0.3247, 0.4200 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(200, 255, 173) }
```

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

```
.border{ border-color:rgb(200, 255, 173) }
```

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

Here you see how a box with a 4 pixel rgb(200, 255, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 173);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8165, 0.3247, 0.4200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 173) }
```

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

```
.background{ background-color: rgb(200,  
255, 173) }
```

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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