

Converting Colors

$Yxy(86.2340, 0.3238, 0.4235)$

Have a look what the booklet for
Yxy(86.2340, 0.3238, 0.4235)
contains.

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Color

Yxy(86.1960, 0.3233, 0.4230)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFAB
RGB	196, 255, 171
RGB Percent	77%, 100%, 67%
CMY	0.2313, 0.0000, 0.3294
CMYK	0.23, 0.00, 0.33, 0.00
HSL	102°, 100%, 84%
HSV	102°, 33%, 100%
XYZ	65.8798, 86.1960, 51.6972
YIQ	227.7830, -8.2000, -38.6320

Conversions

Conversions Part 2

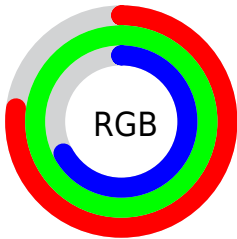
Format	Color
RYB	171, 255, 230
Decimal	12910507
CIELab	94.40, -33.35, 34.31
CIELCh	94, 47.849, 134.186
Yxy	86.1960, 0.3233, 0.4230
Android (android.graphics.Color)	4291100587 (0xFFC4FFAB)
YUV	227.7830, -27.9940, -27.8737
Hunter-Lab	92.8418, -35.8109, 31.9747

Details

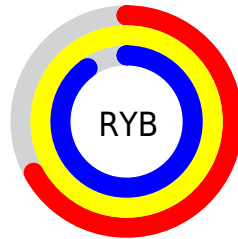
The Yxy color **86.1960, 0.3233, 0.4230** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.1712, 0.2968, 0.2419**, and the grayscale version is **77.6338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1369, 0.3285, 0.3562**, and **47.3589, 0.3242, 0.4456** is the 20% darker color. If you saturate the color by 10%, you get **83.0584, 0.3253, 0.4557**, and if you desaturate by 10%, it is **89.8139, 0.3205, 0.3917**.

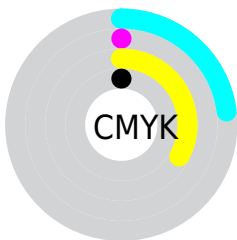
Distribution



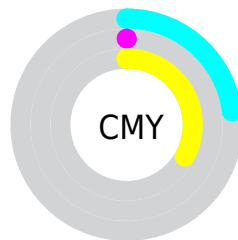
- Red (77%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1960, 0.3233, 0.4230 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 86.1960, 0.3233, 0.4230 by changing the saturation by 10% instead.


 86.1960, 0.3233,
0.4230

 86.1960, 0.3233,
0.4230


515.5773, 0.3199,
0.3788

 64.8301, 0.3237,
0.4332

 142.0430, 0.3224,
0.4076

 47.3233, 0.3240,
0.4458


177.2928, 0.3220,
0.4016

 33.2913, 0.3240,
0.4618

217.9394, 0.3216,
0.3964

 22.3497, 0.3235,
0.4826

264.3671, 0.3212,
0.3920

 14.1141, 0.3217,
0.5107

316.9603, 0.3208,
0.3881

 8.2001, 0.3171,
0.5501


376.1035, 0.3205,


 4.2232, 0.3080,


0.3846


0.6133


442.1810, 0.3202,
0.3815


 1.7992, 0.2803,
0.7197


 0.4867, 0.0000,
1.0000

 86.1960, 0.3233,
0.4230


 86.1960, 0.3233,
0.4230

 83.0584, 0.3253,
0.4557


 89.8139, 0.3205,
0.3917

 80.3711, 0.3263,
0.4885

 93.9224, 0.3173,
0.3626

 78.1146, 0.3260,
0.5196

 98.5430, 0.3138,
0.3362

 76.2641, 0.3242,
0.5469

100.0000, 0.3127,
0.3290

■ 74.7921, 0.3209,
0.5686

■ 73.6667, 0.3163,
0.5833

■ 73.0536, 0.3128,
0.5899

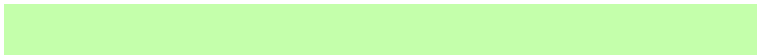
Harmonies

Analogous

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



86.1960, 0.3748, 0.4250



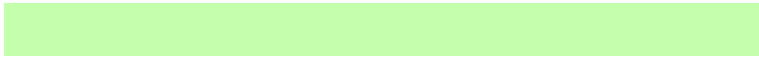
86.1960, 0.3233, 0.4230



86.1960, 0.2714, 0.3875

Triad

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



86.1960, 0.3233, 0.4230



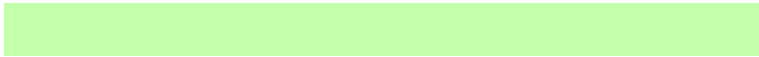
86.1960, 0.2208, 0.2525



86.1960, 0.3981, 0.3168

Complementary

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



86.1960, 0.3233, 0.4230



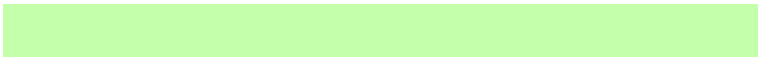
53.1712, 0.2968, 0.2419

Split Complementary

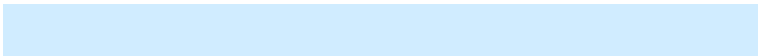
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.1960, 0.3500, 0.2792



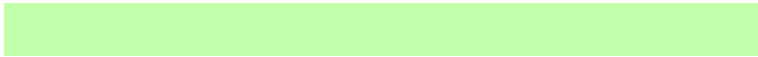
86.1960, 0.3233, 0.4230



86.1960, 0.2483, 0.2429

Square

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



86.1960, 0.3233, 0.4230



86.1960, 0.2153, 0.2836



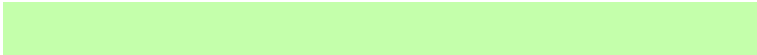
86.1960, 0.2945, 0.2529



86.1960, 0.4210, 0.3594

Rectangle

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



86.1960, 0.3233, 0.4230



86.1960, 0.2436, 0.3519



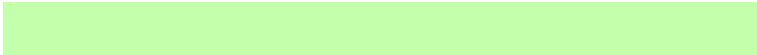
86.1960, 0.2945, 0.2529



86.1960, 0.3841, 0.3034

Sweetspot

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



86.1990, 0.3233, 0.4230



95.2257, 0.3162, 0.3546



80.6848, 0.3701, 0.3887



20.2475, 0.3167, 0.3584



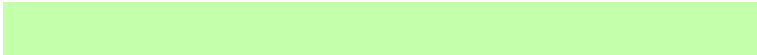
0.0000, 0.0000, 0.0000



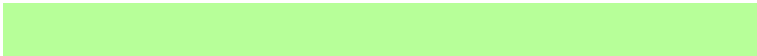
21.4041, 0.3127, 0.3290

Same Dimension

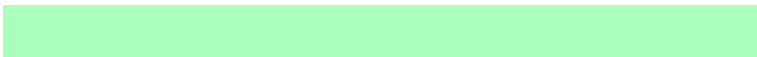
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1990, 0.3233, 0.4230



83.9329, 0.3248, 0.4460



83.8017, 0.2994, 0.4072



20.4302, 0.3161, 0.3533



38.2391, 0.3138, 0.5891



3.7769, 0.3220, 0.5825

Inverse Universe

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



53.1712, 0.2968, 0.2419



45.9503, 0.2922, 0.2224



56.5747, 0.3299, 0.2619



18.0129, 0.3090, 0.3052



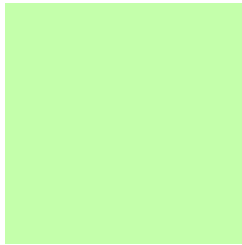
8.8658, 0.2466, 0.1132



0.9200, 0.2553, 0.1180

Previews

White Background



This preview shows how the Yxy color 86.1960, 0.3233, 0.4230 looks on a white background.

Color Contrast Check

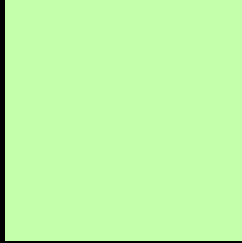
Large Text (above 18pt) WCAG AA × Fail

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 86.1960, 0.3233, 0.4230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

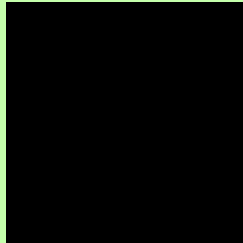
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.1960, 0.3233, 0.4230

Background



This preview shows how black text looks on a background with the Yxy color 86.1960, 0.3233, 0.4230.

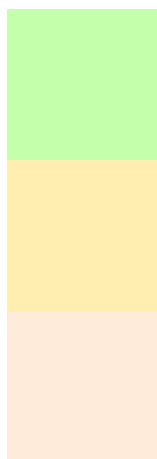


This preview shows how white text looks on a background with the Yxy color 86.1960, 0.3233, 0.4230.

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

86.1960, 0.3233, 0.4230

Protanopia

85.5437, 0.3644, 0.3914

Deuteranopia

85.7386, 0.3374, 0.3460



Tritanopia

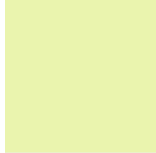
85.9399, 0.2913, 0.3156

Trichromacy



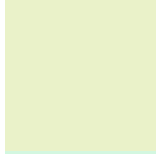
Original Color

86.1960, 0.3233, 0.4230



Protanomaly

85.2498, 0.3491, 0.4025



Deuteranomaly

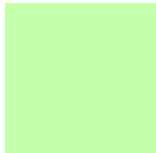
85.2137, 0.3327, 0.3719



Tritanomaly

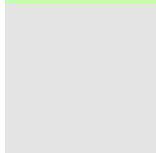
85.7522, 0.3034, 0.3536

Monochromacy



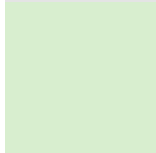
Original Color

86.1960, 0.3233, 0.4230



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.2530, 0.3171, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1960, 0.3233, 0.4230 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 171) }
```

Border

The CSS property to change the border of an element to Yxy 86.1960, 0.3233, 0.4230 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, 171) }
```

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

```
.border{ border-color:rgb(196, 255, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1960, 0.3233, 0.4230 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, 171) }
```

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

```
.background{ background-color: rgb(196,  
255, 171) }
```

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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