

Converting Colors

$Y_{xy}(152.7972, 0.3145, 0.4843)$

Have a look what the booklet for
Yxy(152.7972, 0.3145, 0.4843)
contains.

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Color

Yxy(86.2343, 0.3228, 0.4219)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFAC
RGB	196, 255, 172
RGB Percent	77%, 100%, 67%
CMY	0.2312, 0.0000, 0.3256
CMYK	0.23, 0.00, 0.33, 0.00
HSL	103°, 100%, 84%
HSV	103°, 33%, 100%
XYZ	65.9787, 86.2343, 52.1821
YIQ	227.8970, -8.5210, -38.3210

Conversions

Conversions Part 2

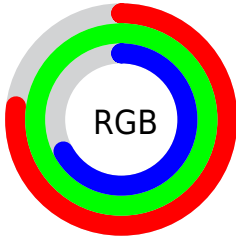
Format	Color
RYB	172, 255, 231
Decimal	12910508
CIELab	94.41, -33.20, 33.85
CIElCh	94, 47.416, 134.442
Yxy	86.2343, 0.3228, 0.4219
Android (android.graphics.Color)	4291100588 (0xFFC4FFAC)
YUV	227.8970, -27.5572, -27.9737
Hunter-Lab	92.8624, -35.6850, 31.6869

Details

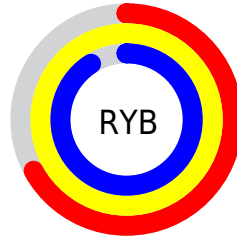
The Yxy color **86.2343, 0.3228, 0.4219** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.6897, 0.2975, 0.2430**, and the grayscale version is **77.7211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1923, 0.3279, 0.3552**, and **47.3828, 0.3235, 0.4442** is the 20% darker color. If you saturate the color by 10%, you get **83.0666, 0.3248, 0.4547**, and if you desaturate by 10%, it is **89.8903, 0.3201, 0.3906**.

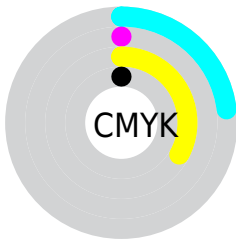
Distribution



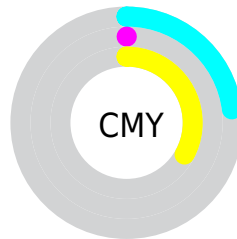
- Red (77%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (91%)



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.2343, 0.3228, 0.4219 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 86.2343, 0.3228, 0.4219 by changing the saturation by 10% instead.

 86.2343, 0.3228,
0.4219

 86.2343, 0.3228,
0.4219


515.7035, 0.3196,
0.3782

 64.8617, 0.3232,
0.4320


 142.0964, 0.3220,
0.4066

 47.3490, 0.3234,
0.4444


177.3547, 0.3216,
0.4007

 33.3116, 0.3234,
0.4602


218.0104, 0.3212,
0.3957

 22.3653, 0.3228,
0.4808

264.4479, 0.3208,
0.3912

 14.1255, 0.3211,
0.5086

317.0516, 0.3205,
0.3874

 8.2080, 0.3166,
0.5477


376.2058, 0.3202,


 4.2284, 0.3073,

0.3840

0.6097

442.2949, 0.3199,
0.3809


 1.8021, 0.2815,
0.7185


 0.4885, 0.0000,
1.0000


 86.2343, 0.3228,
0.4219


 86.2343, 0.3228,
0.4219


 83.0666, 0.3248,
0.4547


 89.8903, 0.3201,
0.3906

 80.3551, 0.3257,
0.4876

 94.0434, 0.3170,
0.3616

 78.0804, 0.3254,
0.5189

 98.7158, 0.3136,
0.3353

 76.2176, 0.3235,
0.5465

99.9979, 0.3127,
0.3290

■ 74.7388, 0.3203,
0.5684

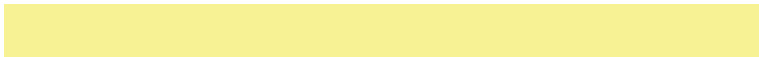
■ 73.6116, 0.3158,
0.5834

■ 72.9719, 0.3121,
0.5904

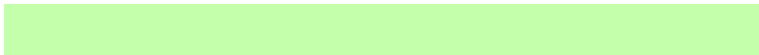
Harmonies

Analogous

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



86.2343, 0.3739, 0.4243



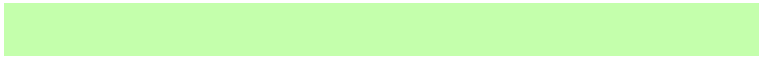
86.2343, 0.3228, 0.4219



86.2343, 0.2714, 0.3865

Triad

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



86.2343, 0.3228, 0.4219



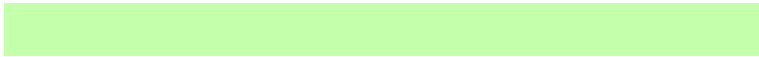
86.2343, 0.2217, 0.2530



86.2343, 0.3976, 0.3173

Complementary

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



86.2343, 0.3228, 0.4219



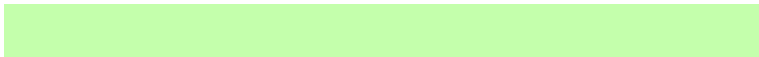
53.6897, 0.2975, 0.2430

Split Complementary

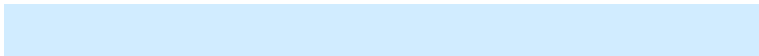
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2343, 0.3502, 0.2799



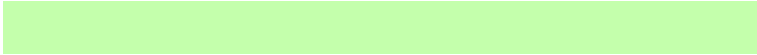
86.2343, 0.3228, 0.4219



86.2343, 0.2492, 0.2436

Square

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



86.2343, 0.3228, 0.4219



86.2343, 0.2161, 0.2837



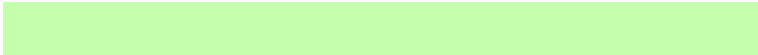
86.2343, 0.2951, 0.2536



86.2343, 0.4200, 0.3596

Rectangle

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



86.2343, 0.3228, 0.4219



86.2343, 0.2439, 0.3512



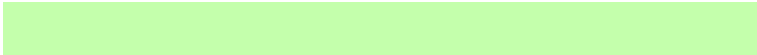
86.2343, 0.2951, 0.2536



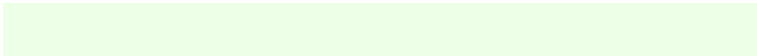
86.2343, 0.3838, 0.3040

Sweetspot

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



86.2380, 0.3228, 0.4219



95.1917, 0.3161, 0.3546



80.8803, 0.3694, 0.3880



20.2394, 0.3166, 0.3584



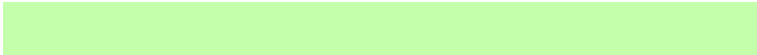
0.0000, 0.0000, 0.0000



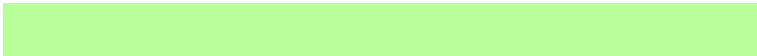
21.4041, 0.3127, 0.3290

Same Dimension

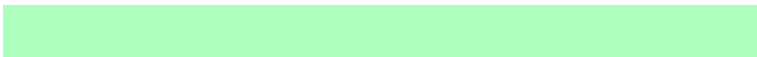
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2380, 0.3228, 0.4219



84.1439, 0.3242, 0.4429



83.9412, 0.2995, 0.4061



20.4233, 0.3160, 0.3533



38.1962, 0.3131, 0.5896



3.7720, 0.3212, 0.5831

Inverse Universe

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



53.6897, 0.2975, 0.2430



47.0404, 0.2935, 0.2253



56.9501, 0.3296, 0.2626



18.0203, 0.3091, 0.3052



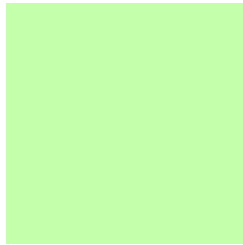
8.9888, 0.2485, 0.1142



0.9312, 0.2570, 0.1189

Previews

White Background



This preview shows how the Yxy color 86.2343, 0.3228, 0.4219 looks on a white background.

Color Contrast Check

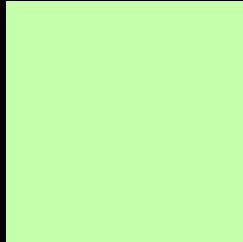
Large Text (above 18pt) WCAG AA × Fail

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 86.2343, 0.3228, 0.4219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

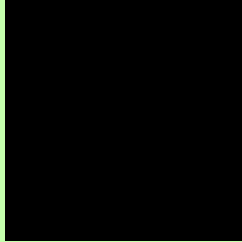
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

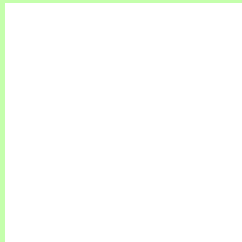
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.2343, 0.3228, 0.4219

Background



This preview shows how black text looks on a background with the Yxy color 86.2343, 0.3228, 0.4219.

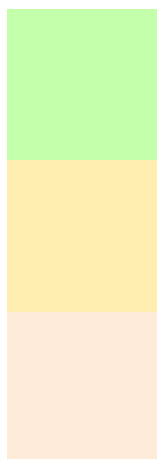


This preview shows how white text looks on a background with the Yxy color 86.2343, 0.3228, 0.4219.

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

86.2343, 0.3228, 0.4219

Protanopia

85.5437, 0.3644, 0.3914

Deuteranopia

85.7386, 0.3374, 0.3460



Tritanopia

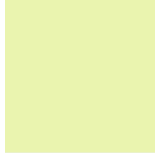
85.9399, 0.2913, 0.3156

Trichromacy



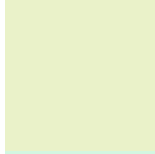
Original Color

86.2343, 0.3228, 0.4219



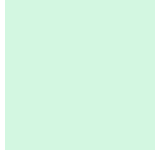
Protanomaly

85.2889, 0.3484, 0.4015



Deuteranomaly

85.2137, 0.3327, 0.3719



Tritanomaly

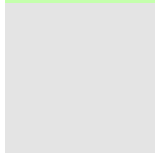
85.8067, 0.3028, 0.3525

Monochromacy



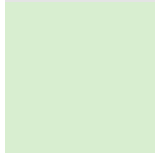
Original Color

86.2343, 0.3228, 0.4219



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.3021, 0.3165, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.2343, 0.3228, 0.4219 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 86.2343, 0.3228, 0.4219 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, 172) }
```

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

```
.border{ border-color:rgb(196, 255, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2343, 0.3228, 0.4219 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, 172) }
```

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

```
.background{ background-color: rgb(196,  
255, 172) }
```

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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