

Converting Colors

$Y_{xy}(111.4233, 0.3103, 0.4374)$

Have a look what the booklet for
Yxy(111.4233, 0.3103, 0.4374)
contains.

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Color

Yxy(86.3143, 0.3121, 0.4053)

Conversions

Conversions Part 1

Format	Color
Hex	C0FFB8
RGB	192, 255, 187
RGB Percent	75%, 100%, 73%
CMY	0.2471, 0.0000, 0.2666
CMYK	0.25, 0.00, 0.27, 0.00
HSL	116°, 100%, 87%
HSV	116°, 27%, 100%
XYZ	66.4661, 86.3143, 60.1836
YIQ	228.4110, -15.7200, -34.5040

Conversions

Conversions Part 2

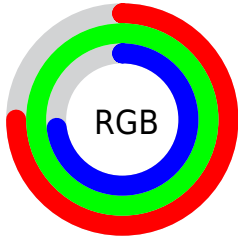
Format	Color
RYB	187, 255, 250
Decimal	12648379
CIELab	94.45, -32.26, 26.29
CIElCh	94, 41.615, 140.822
Yxy	86.3143, 0.3121, 0.4053
Android (android.graphics.Color)	4290838459 (0xFFC0FFBB)
YUV	228.4110, -20.4156, -31.9324
Hunter-Lab	92.9055, -34.8829, 26.6261

Details

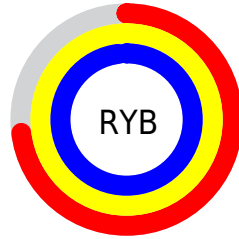
The Yxy color **86.3143, 0.3121, 0.4053** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.1033, 0.3121, 0.2616**, and the grayscale version is **78.0578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1308, 0.3159, 0.3406**, and **47.4000, 0.3112, 0.4245** is the 20% darker color. If you saturate the color by 10%, you get **82.4740, 0.3114, 0.4393**, and if you desaturate by 10%, it is **90.8414, 0.3125, 0.3739**.

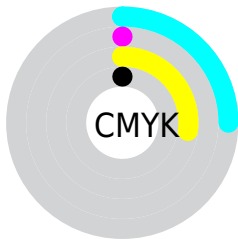
Distribution



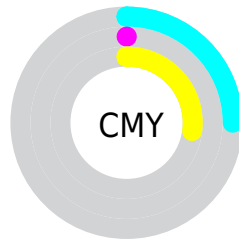
- Red (75%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (98%)



- Cyan (25%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3143, 0.3121, 0.4053 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 86.3143, 0.3121, 0.4053 by changing the saturation by 10% instead.


 86.3143, 0.3121,
0.4053

 86.3143, 0.3121,
0.4053


515.9670, 0.3133,
0.3695

 64.9279, 0.3116,
0.4136

 142.2080, 0.3127,
0.3928

 47.4026, 0.3109,
0.4239

177.4841, 0.3129,
0.3879

 33.3541, 0.3098,
0.4369

218.1589, 0.3130,
0.3838

 22.3978, 0.3081,
0.4541

264.6168, 0.3131,
0.3802

 14.1495, 0.3052,
0.4774

317.2421, 0.3132,
0.3770

 8.2247, 0.3000,
0.5110


376.4193, 0.3132,


 4.2391, 0.2894,


0.3742


0.5625


442.5328, 0.3132,
0.3717

 1.8082, 0.2883,
0.7117


 0.4923, 0.0000,
1.0000


 86.3143, 0.3121,
0.4053

 86.3143, 0.3121,
0.4053

 82.4740, 0.3114,
0.4393

 90.8414, 0.3125,
0.3739

 79.2908, 0.3104,
0.4748

 96.0910, 0.3127,
0.3458

 76.7265, 0.3090,
0.5099

100.0000, 0.3127,
0.3290

 74.7407, 0.3073,
0.5420

■ 73.2883, 0.3053,
0.5684

■ 72.3172, 0.3034,
0.5870

■ 71.7649, 0.3016,
0.5971

■ 71.6544, 0.3012,
0.5991

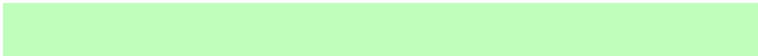
Harmonies

Analogous

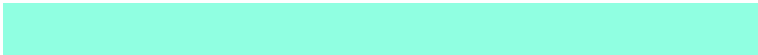
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3143, 0.3583, 0.4144



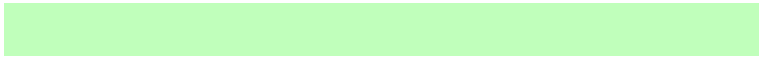
86.3143, 0.3121, 0.4053



86.3143, 0.2681, 0.3698

Triad

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



86.3143, 0.3121, 0.4053



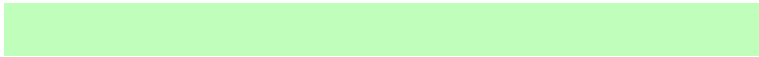
86.3143, 0.2356, 0.2585



86.3143, 0.3935, 0.3271

Complementary

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



86.3143, 0.3121, 0.4053



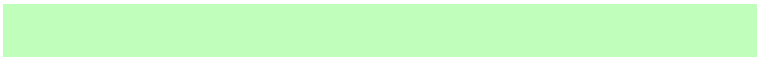
63.1033, 0.3121, 0.2616

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.



86.3143, 0.3557, 0.2920



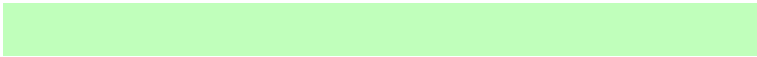
86.3143, 0.3121, 0.4053



86.3143, 0.2642, 0.2536

Square

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



86.3143, 0.3121, 0.4053



86.3143, 0.2262, 0.2823



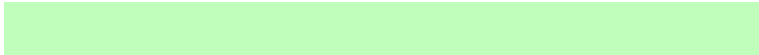
86.3143, 0.3076, 0.2658



86.3143, 0.4075, 0.3649

Rectangle

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



86.3143, 0.3121, 0.4053



86.3143, 0.2457, 0.3385



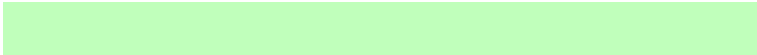
86.3143, 0.3076, 0.2658



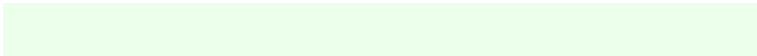
86.3143, 0.3830, 0.3147

Sweetspot

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



86.3129, 0.3121, 0.4053



95.3429, 0.3127, 0.3494



92.8078, 0.3545, 0.3908



20.2314, 0.3127, 0.3535



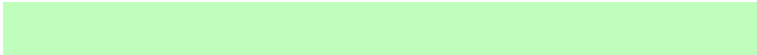
0.0000, 0.0000, 0.0000



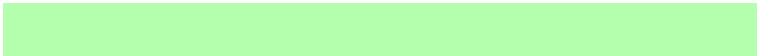
21.4041, 0.3127, 0.3290

Same Dimension

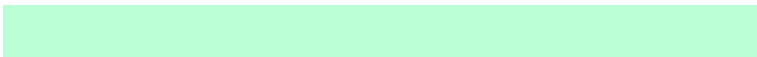
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3129, 0.3121, 0.4053



84.1781, 0.3118, 0.4232



87.0122, 0.2939, 0.3730



20.2314, 0.3127, 0.3535



37.4637, 0.3015, 0.5988



3.6687, 0.3050, 0.5960

Inverse Universe

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



63.1033, 0.3121, 0.2616



57.4098, 0.3118, 0.2480



62.3395, 0.3375, 0.2889



18.2290, 0.3126, 0.3055



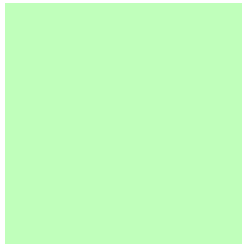
13.1556, 0.3026, 0.1441



1.3002, 0.3048, 0.1453

Previews

White Background



This preview shows how the Yxy color 86.3143, 0.3121, 0.4053 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 86.3143, 0.3121, 0.4053 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

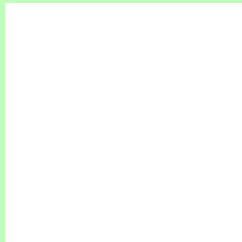
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.3143, 0.3121, 0.4053

Background



This preview shows how black text looks on a background with the Yxy color 86.3143, 0.3121, 0.4053.

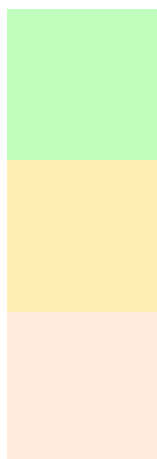


This preview shows how white text looks on a background with the Yxy color 86.3143, 0.3121, 0.4053.

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

86.3143, 0.3121, 0.4053

Protanopia

85.6637, 0.3625, 0.3884

Deuteranopia

85.3261, 0.3355, 0.3420



Tritanopia

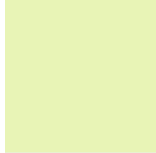
85.6297, 0.2901, 0.3156

Trichromacy



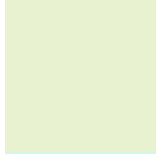
Original Color

86.3143, 0.3121, 0.4053



Protanomaly

85.2346, 0.3428, 0.3944



Deuteranomaly

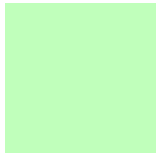
85.2635, 0.3263, 0.3635



Tritanomaly

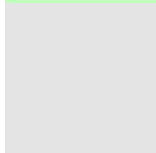
85.7900, 0.2987, 0.3471

Monochromacy



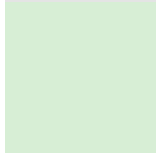
Original Color

86.3143, 0.3121, 0.4053



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.4002, 0.3128, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3143, 0.3121, 0.4053 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(192, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 187)  
}
```

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(192, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 187) }
```

Border

The CSS property to change the border of an element to Yxy 86.3143, 0.3121, 0.4053 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(192, 255, 187) }
```

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

```
.border{ border-color:rgb(192, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3143, 0.3121, 0.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 187) }
```

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

```
.background{ background-color: rgb(192,  
255, 187) }
```

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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