

Converting Colors

Yxy(87.8682, 0.3170, 0.4288)

Have a look what the booklet for
Yxy(87.8682, 0.3170, 0.4288)
contains.

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Color

Yxy(85.0251, 0.3177, 0.4247)

Conversions

Conversions Part 1

Format	Color
Hex	BBFFAB
RGB	187, 255, 171
RGB Percent	73%, 100%, 67%
CMY	0.2666, 0.0000, 0.3295
CMYK	0.27, 0.00, 0.33, 0.00
HSL	109°, 100%, 84%
HSV	109°, 33%, 100%
XYZ	63.6037, 85.0251, 51.5716
YIQ	225.0920, -13.5640, -40.5400

Conversions

Conversions Part 2

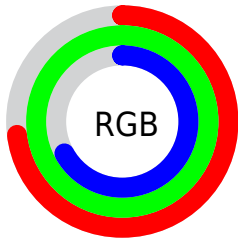
Format	Color
RYB	171, 255, 239
Decimal	12320683
CIELab	93.89, -36.34, 33.57
CIElCh	94, 49.475, 137.269
Yxy	85.0251, 0.3177, 0.4247
Android (android.graphics.Color)	4290510763 (0xFFBBFFAB)
YUV	225.0920, -26.6674, -33.4067
Hunter-Lab	92.2091, -38.2407, 31.3860

Details

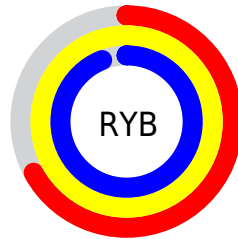
The Yxy color **85.0251, 0.3177, 0.4247** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.6787, 0.3038, 0.2436**, and the grayscale version is **75.5668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4785, 0.3227, 0.3567**, and **46.6017, 0.3172, 0.4482** is the 20% darker color. If you saturate the color by 10%, you get **81.7269, 0.3182, 0.4586**, and if you desaturate by 10%, it is **88.8853, 0.3166, 0.3925**.

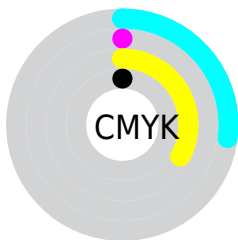
Distribution



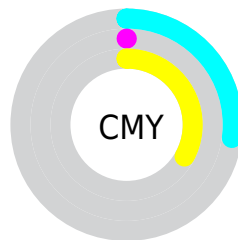
- Red (73%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (94%)



- Cyan (27%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0251, 0.3177, 0.4247 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 85.0251, 0.3177, 0.4247 by changing the saturation by 10% instead.


 85.0251, 0.3177,
0.4247

 85.0251, 0.3177,
0.4247


511.7111, 0.3169,
0.3794

 63.8621, 0.3175,
0.4352


 140.4082, 0.3177,
0.4088

 46.5390, 0.3171,
0.4483

175.3972, 0.3176,
0.4027

 32.6714, 0.3162,
0.4649


215.7636, 0.3175,
0.3974

 21.8748, 0.3145,
0.4866

261.8918, 0.3174,
0.3929

 13.7649, 0.3112,
0.5161

314.1663, 0.3173,
0.3889

 7.9574, 0.3043,
0.5579


372.9714, 0.3171,


 4.0677, 0.2919,


0.3853


0.6261


438.6916, 0.3170,
0.3822


 1.7115, 0.2514,
0.7486


 0.4311, 0.0000,
1.0000


 85.0251, 0.3177,
0.4247


 85.0251, 0.3177,
0.4247


 81.7269, 0.3182,
0.4586


 88.8853, 0.3166,
0.3925

 78.9631, 0.3180,
0.4928

 93.3315, 0.3150,
0.3629

 76.7052, 0.3169,
0.5252

 98.3874, 0.3133,
0.3363

 74.9213, 0.3147,
0.5535

100.0000, 0.3127,
0.3290

■ 73.5757, 0.3117,
0.5755

■ 72.6275, 0.3080,
0.5897

■ 72.1649, 0.3055,
0.5956

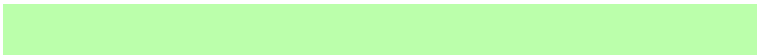
Harmonies

Analogous

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



85.0251, 0.3719, 0.4300



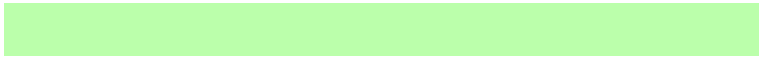
85.0251, 0.3177, 0.4247



85.0251, 0.2648, 0.3846

Triad

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



85.0251, 0.3177, 0.4247



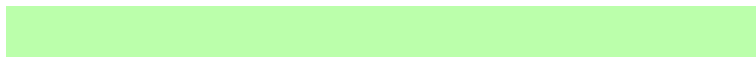
85.0251, 0.2196, 0.2477



85.0251, 0.4053, 0.3206

Complementary

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



85.0251, 0.3177, 0.4247



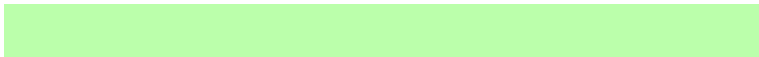
54.6787, 0.3038, 0.2436

Split Complementary

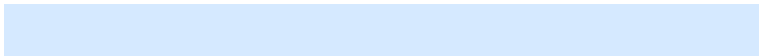
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0251, 0.3572, 0.2809



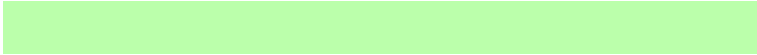
85.0251, 0.3177, 0.4247



85.0251, 0.2501, 0.2401

Square

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



85.0251, 0.3177, 0.4247



85.0251, 0.2114, 0.2773



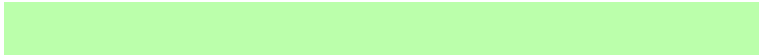
85.0251, 0.2994, 0.2524



85.0251, 0.4257, 0.3647

Rectangle

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



85.0251, 0.3177, 0.4247



85.0251, 0.2373, 0.3466



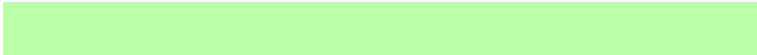
85.0251, 0.2994, 0.2524



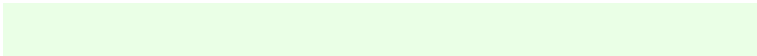
85.0251, 0.3917, 0.3066

Sweetspot

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



85.0254, 0.3177, 0.4247



94.7598, 0.3145, 0.3547



85.4614, 0.3676, 0.3965



20.1356, 0.3148, 0.3586



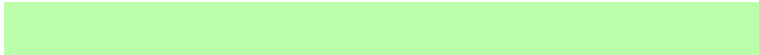
0.0000, 0.0000, 0.0000



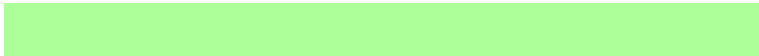
21.4041, 0.3127, 0.3290

Same Dimension

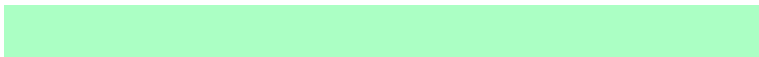
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0254, 0.3177, 0.4247



82.6439, 0.3182, 0.4485



84.1684, 0.2950, 0.3971



20.3349, 0.3144, 0.3534



37.7550, 0.3062, 0.5950



3.7180, 0.3130, 0.5897

Inverse Universe

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



54.6787, 0.3038, 0.2436



47.7549, 0.3012, 0.2252



56.0764, 0.3368, 0.2696



18.1149, 0.3107, 0.3054



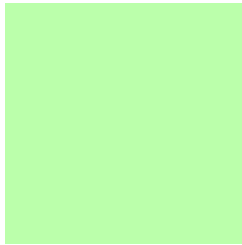
10.7158, 0.2729, 0.1277



1.0863, 0.2787, 0.1309

Previews

White Background



This preview shows how the Yxy color 85.0251, 0.3177, 0.4247 looks on a white background.

Color Contrast Check

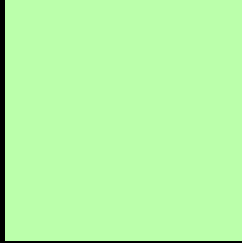
Large Text (above 18pt) WCAG AA × Fail

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 85.0251, 0.3177, 0.4247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

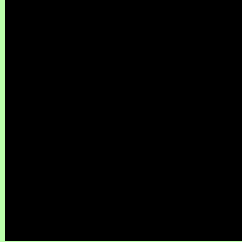
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

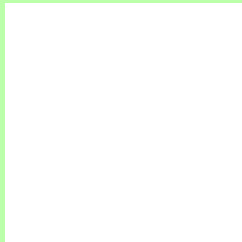
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.0251, 0.3177, 0.4247

Background



This preview shows how black text looks on a background with the Yxy color 85.0251, 0.3177, 0.4247.

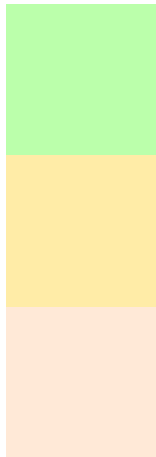


This preview shows how white text looks on a background with the Yxy color 85.0251, 0.3177, 0.4247.

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

85.0251, 0.3177, 0.4247

Protanopia

84.0409, 0.3708, 0.3985

Deuteranopia

84.4441, 0.3397, 0.3470



Tritanopia

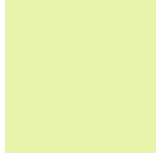
84.4267, 0.2877, 0.3144

Trichromacy



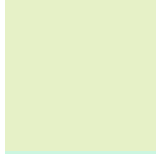
Original Color

85.0251, 0.3177, 0.4247



Protanomaly

83.7513, 0.3501, 0.4087



Deuteranomaly

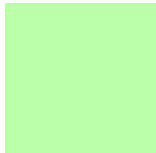
83.8571, 0.3313, 0.3734



Tritanomaly

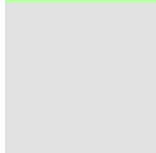
84.1307, 0.2991, 0.3528

Monochromacy



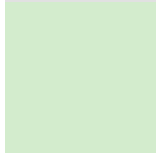
Original Color

85.0251, 0.3177, 0.4247



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2476, 0.3151, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0251, 0.3177, 0.4247 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(187, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 171) }
```

Border

The CSS property to change the border of an element to Yxy 85.0251, 0.3177, 0.4247 is called "border". The border property can be set on classes, ids or directly on the HTML element.

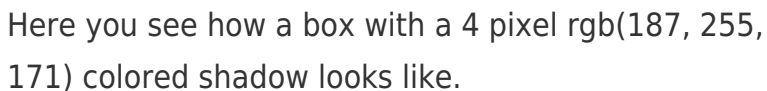
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 255, 171) }
```

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

```
.border{ border-color:rgb(187, 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(187, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 255, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 255, 171); box-shadow:4px 4px 4px 4px rgb(187, 255, 171) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0251, 0.3177, 0.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 171) }
```

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

```
.background{ background-color: rgb(187,  
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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