

Converting Colors

$Yxy(94.6693, 0.3064, 0.4205)$

Have a look what the booklet for
Yxy(94.6693, 0.3064, 0.4205)
contains.

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Color

Yxy(85.1751, 0.3067, 0.4066)

Conversions

Conversions Part 1

Format	Color
Hex	B7FFBB
RGB	183, 255, 187
RGB Percent	72%, 100%, 73%
CMY	0.2825, 0.0000, 0.2667
CMYK	0.28, 0.00, 0.27, 0.00
HSL	123°, 100%, 86%
HSV	123°, 28%, 100%
XYZ	64.2479, 85.1751, 60.0583
YIQ	225.7200, -21.0840, -36.4120

Conversions

Conversions Part 2

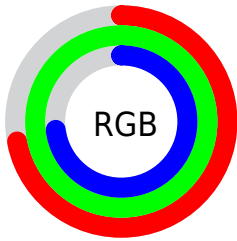
Format	Color
RYB	183, 251, 255
Decimal	12058555
CIELab	93.96, -35.15, 25.56
CIElCh	94, 43.461, 143.973
Yxy	85.1751, 0.3067, 0.4066
Android (android.graphics.Color)	4290248635 (0xFFB7FFBB)
YUV	225.7200, -19.0890, -37.4654
Hunter-Lab	92.2904, -37.2454, 26.0201

Details

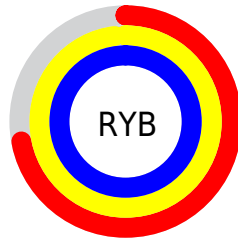
The Yxy color **85.1751, 0.3067, 0.4066** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.0702, 0.3190, 0.2620**, and the grayscale version is **75.9795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5163, 0.3103, 0.3408**, and **46.6708, 0.3045, 0.4264** is the 20% darker color. If you saturate the color by 10%, you get **81.3749, 0.3045, 0.4397**, and if you desaturate by 10%, it is **89.7016, 0.3089, 0.3762**.

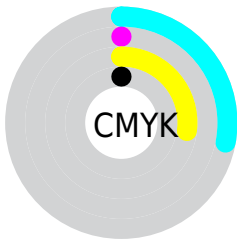
Distribution



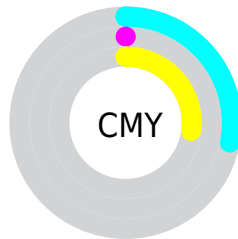
- Red (72%)
- Green (100%)
- Blue (73%)



- Red (72%)
- Yellow (98%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1751, 0.3067, 0.4066 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 85.1751, 0.3067, 0.4066 by changing the saturation by 10% instead.


 85.1751, 0.3067,
0.4066

 85.1751, 0.3067,
0.4066

512.2073, 0.3103,
0.3700

 63.9861, 0.3057,
0.4151


 140.6178, 0.3081,
0.3938

 46.6394, 0.3043,
0.4257


175.6402, 0.3086,
0.3888

 32.7507, 0.3023,
0.4392


216.0426, 0.3091,
0.3845

 21.9355, 0.2995,
0.4570

262.2093, 0.3094,
0.3809

 13.8095, 0.2951,
0.4814

314.5248, 0.3097,
0.3776

 7.9883, 0.2877,
0.5166


373.3733, 0.3099,


 4.0875, 0.2738,


0.3748


0.5714


439.1393, 0.3102,
0.3722


 1.7226, 0.2617,
0.7383


 0.4382, 0.0000,
1.0000


 85.1751, 0.3067,
0.4066


 85.1751, 0.3067,
0.4066


 81.3749, 0.3045,
0.4397


 89.7016, 0.3089,
0.3762

 78.2811, 0.3024,
0.4743

 95.0100, 0.3111,
0.3490

 75.8444, 0.3007,
0.5087

 100.0000, 0.3127,
0.3290

 74.0173, 0.2995,
0.5403

■ 72.7458, 0.2988,
0.5667

■ 71.9664, 0.2988,
0.5856

■ 71.5940, 0.2993,
0.5964

■ 71.5525, 0.2993,
0.5976

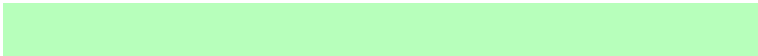
Harmonies

Analogous

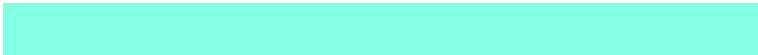
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1751, 0.3555, 0.4191



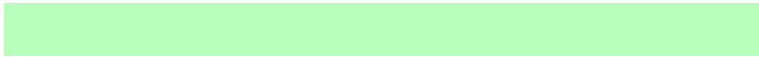
85.1751, 0.3067, 0.4066



85.1751, 0.2618, 0.3669

Triad

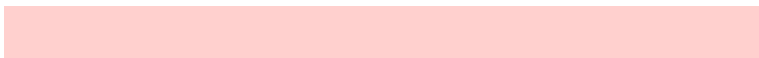
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1751, 0.3067, 0.4066



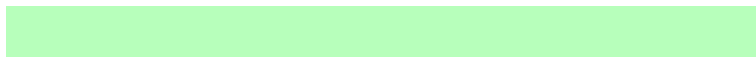
85.1751, 0.2344, 0.2538



85.1751, 0.4004, 0.3309

Complementary

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



85.1751, 0.3067, 0.4066



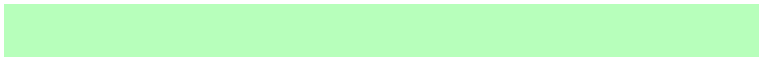
62.0702, 0.3190, 0.2620

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.



85.1751, 0.3628, 0.2937



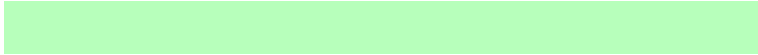
85.1751, 0.3067, 0.4066



85.1751, 0.2660, 0.2508

Square

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



85.1751, 0.3067, 0.4066



85.1751, 0.2224, 0.2764



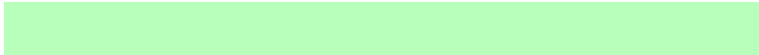
85.1751, 0.3125, 0.2653



85.1751, 0.4119, 0.3702

Rectangle

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



85.1751, 0.3067, 0.4066



85.1751, 0.2397, 0.3335



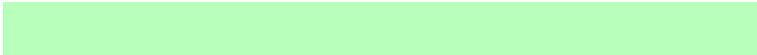
85.1751, 0.3125, 0.2653



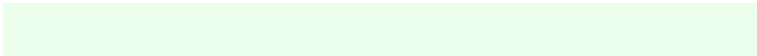
85.1751, 0.3903, 0.3179

Sweetspot

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



85.1686, 0.3067, 0.4066



95.1553, 0.3111, 0.3483



95.5201, 0.3531, 0.4005



20.1846, 0.3108, 0.3522



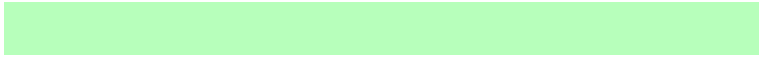
0.0000, 0.0000, 0.0000



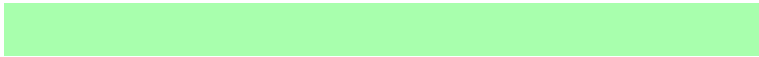
21.4041, 0.3127, 0.3290

Same Dimension

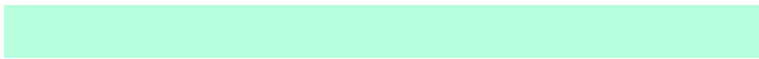
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1686, 0.3067, 0.4066



82.9009, 0.3054, 0.4253



86.8864, 0.2879, 0.3649



20.1846, 0.3108, 0.3522



37.3942, 0.2991, 0.5966



3.6465, 0.2968, 0.5886

Inverse Universe

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



62.0702, 0.3190, 0.2620



56.2875, 0.3205, 0.2485



60.0328, 0.3473, 0.2958



18.2818, 0.3147, 0.3069



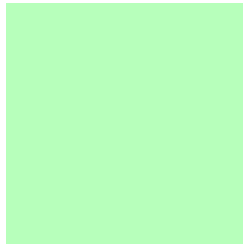
14.4263, 0.3355, 0.1622



1.4098, 0.3337, 0.1612

Previews

White Background



This preview shows how the Yxy color 85.1751, 0.3067, 0.4066 looks on a white background.

Color Contrast Check

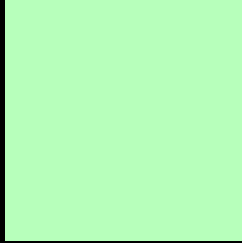
Large Text (above 18pt) WCAG AA × Fail

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 85.1751, 0.3067, 0.4066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

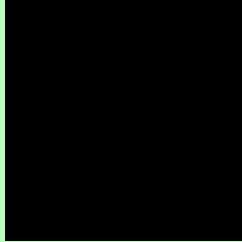
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

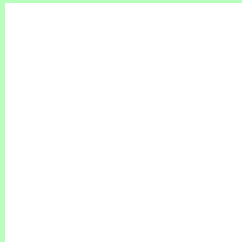
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1751, 0.3067, 0.4066

Background



This preview shows how black text looks on a background with the Yxy color 85.1751, 0.3067, 0.4066.

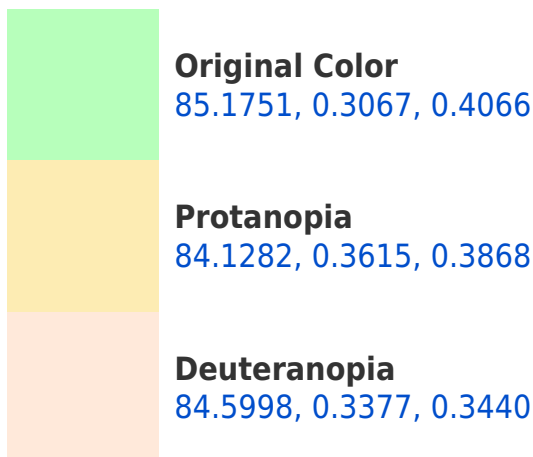


This preview shows how white text looks on a background with the Yxy color 85.1751, 0.3067, 0.4066.

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





Tritanopia

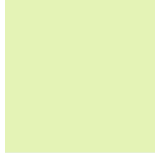
84.7213, 0.2865, 0.3154

Trichromacy



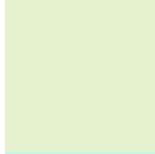
Original Color

85.1751, 0.3067, 0.4066



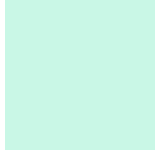
Protanomaly

83.9726, 0.3402, 0.3940



Deuteranomaly

84.0736, 0.3256, 0.3649



Tritanomaly

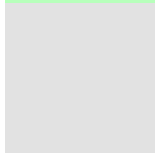
84.6522, 0.2939, 0.3473

Monochromacy



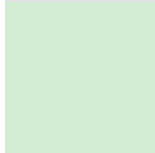
Original Color

85.1751, 0.3067, 0.4066



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.0235, 0.3101, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1751, 0.3067, 0.4066 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(183, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 187) }
```

Border

The CSS property to change the border of an element to Yxy 85.1751, 0.3067, 0.4066 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(183, 255, 187) }
```

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

```
.border{ border-color:rgb(183, 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(183, 255, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1751, 0.3067, 0.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 187) }
```

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

```
.background{ background-color: rgb(183,  
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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