

Converting Colors

$Yxy(76.9164, 0.3180, 0.4181)$

Have a look what the booklet for
Yxy(76.9164, 0.3180, 0.4181)
contains.

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Color

Yxy(76.9585, 0.3185, 0.4186)

Conversions

Conversions Part 1

Format	Color
Hex	B7F3A7
RGB	183, 243, 167
RGB Percent	72%, 95%, 65%
CMY	0.2823, 0.0470, 0.3450
CMYK	0.25, 0.00, 0.31, 0.05
HSL	107°, 76%, 80%
HSV	107°, 31%, 95%
XYZ	58.5554, 76.9585, 48.3335
YIQ	216.3960, -11.3640, -36.3560

Conversions

Conversions Part 2

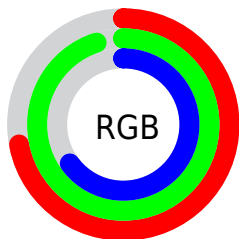
Format	Color
RYB	167, 243, 227
Decimal	12055463
CIELab	90.30, -32.75, 30.71
CIElCh	90, 44.901, 136.840
Yxy	76.9585, 0.3185, 0.4186
Android (android.graphics.Color)	4290245543 (0xFFB7F3A7)
YUV	216.3960, -24.3522, -29.2883
Hunter-Lab	87.7260, -34.3752, 28.7418

Details

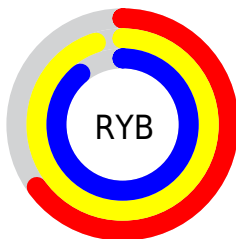
The Yxy color **76.9585, 0.3185, 0.4186** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.4476, 0.3032, 0.2480**, and the grayscale version is **69.1315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3730, 0.3219, 0.3611**, and **41.3447, 0.3181, 0.4427** is the 20% darker color. If you saturate the color by 10%, you get **73.9510, 0.3194, 0.4520**, and if you desaturate by 10%, it is **80.4622, 0.3170, 0.3870**.

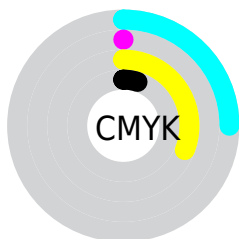
Distribution



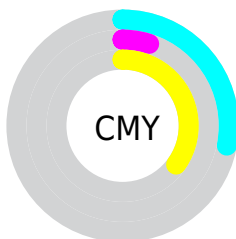
- Red (72%)
- Green (95%)
- Blue (65%)



- Red (65%)
- Yellow (95%)
- Blue (89%)



- Cyan (25%)
- Magenta (0%)
- Yellow (31%)
- Black (5%)





- Cyan (28%)
- Magenta (5%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9585, 0.3185, 0.4186 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 76.9585, 0.3185, 0.4186 by changing the saturation by 10% instead.


 76.9585, 0.3185,
0.4186


 76.9585, 0.3185,
0.4186


484.6225, 0.3171,
0.3755

 57.2188, 0.3185,
0.4288


 129.0809, 0.3183,
0.4034

 41.1809, 0.3183,
0.4415


 162.2324, 0.3181,
0.3975

 28.4605, 0.3177,
0.4578


200.6233, 0.3179,
0.3925

 18.6731, 0.3163,
0.4795

244.6380, 0.3178,
0.3882

 11.4343, 0.3134,
0.5094

294.6609, 0.3176,
0.3844

 6.3597, 0.3069,
0.5529


351.0763, 0.3174,


 3.0650, 0.2997,


0.3811


0.6379


414.2687, 0.3172,
0.3782


 1.1658, 0.1962,
0.8038

 0.0335, 0.0000,
1.0000


 76.9585, 0.3185,
0.4186


 76.9585, 0.3185,
0.4186


 73.9510, 0.3194,
0.4520


 80.4622, 0.3170,
0.3870


 71.4074, 0.3196,
0.4860

 84.4732, 0.3151,
0.3581

 69.3070, 0.3187,
0.5186

 89.0143, 0.3130,
0.3321

 67.6231, 0.3168,
0.5475

 92.5836, 0.3133,
0.3175

■ 66.3264, 0.3138,
0.5707

■ 65.3831, 0.3101,
0.5866

■ 64.8107, 0.3067,
0.5947

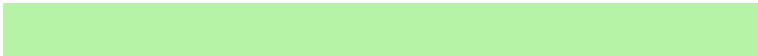
Harmonies

Analogous

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



76.9585, 0.3694, 0.4237



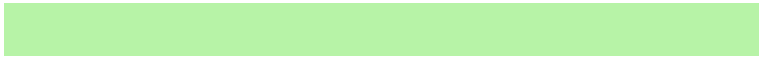
76.9585, 0.3185, 0.4186



76.9585, 0.2685, 0.3817

Triad

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



76.9585, 0.3185, 0.4186



76.9585, 0.2245, 0.2527



76.9585, 0.3991, 0.3208

Complementary

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



76.9585, 0.3185, 0.4186



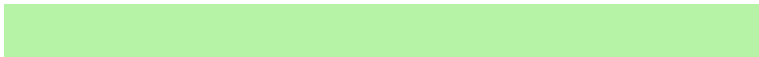
50.4476, 0.3032, 0.2480

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.



76.9585, 0.3538, 0.2832



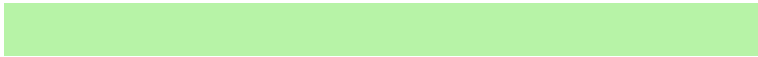
76.9585, 0.3185, 0.4186



76.9585, 0.2532, 0.2450

Square

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



76.9585, 0.3185, 0.4186



76.9585, 0.2171, 0.2813



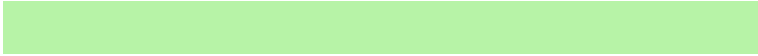
76.9585, 0.2996, 0.2563



76.9585, 0.4187, 0.3626

Rectangle

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



76.9585, 0.3185, 0.4186



76.9585, 0.2422, 0.3465



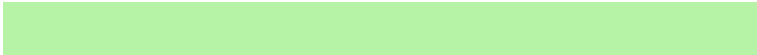
76.9585, 0.2996, 0.2563



76.9585, 0.3861, 0.3075

Sweetspot

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



76.9618, 0.3185, 0.4186



95.3327, 0.3146, 0.3520



76.5326, 0.3648, 0.3917



20.2535, 0.3149, 0.3559



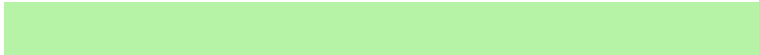
0.0000, 0.0000, 0.0000



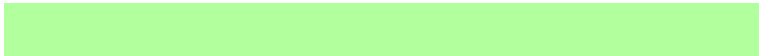
21.4041, 0.3127, 0.3290

Same Dimension

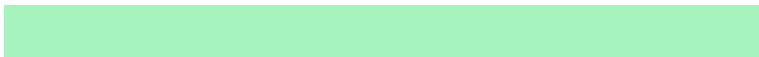
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9618, 0.3185, 0.4186



83.5149, 0.3192, 0.4413



75.9751, 0.2965, 0.3944



18.6400, 0.3147, 0.3532



35.6156, 0.3075, 0.5941



3.1727, 0.3154, 0.5878

Inverse Universe

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



50.4476, 0.3032, 0.2480



49.3040, 0.3004, 0.2299



51.9440, 0.3341, 0.2716



16.5820, 0.3104, 0.3054



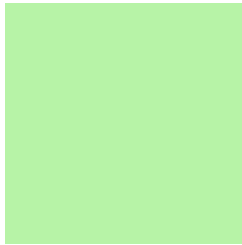
9.7531, 0.2681, 0.1251



0.9002, 0.2751, 0.1289

Previews

White Background



This preview shows how the Yxy color 76.9585, 0.3185, 0.4186 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 76.9585, 0.3185, 0.4186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

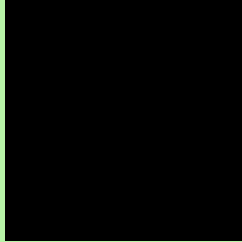
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

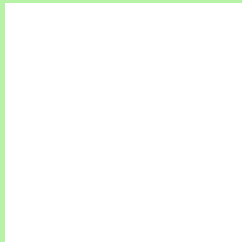
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9585, 0.3185, 0.4186

Background



This preview shows how black text looks on a background with the Yxy color 76.9585, 0.3185, 0.4186.

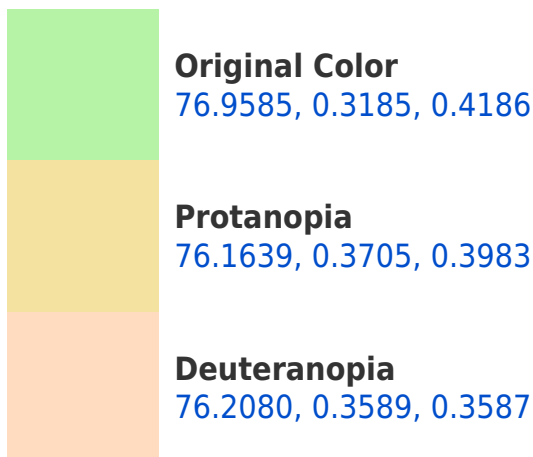


This preview shows how white text looks on a background with the Yxy color 76.9585, 0.3185, 0.4186.

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

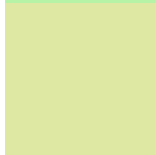
76.5486, 0.2792, 0.3084

Trichromacy



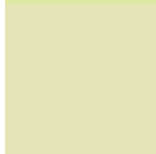
Original Color

76.9585, 0.3185, 0.4186



Protanomaly

75.8872, 0.3502, 0.4051



Deuteranomaly

75.5222, 0.3438, 0.3790



Tritanomaly

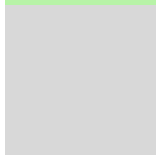
76.3647, 0.2938, 0.3470

Monochromacy



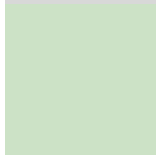
Original Color

76.9585, 0.3185, 0.4186



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

71.3073, 0.3154, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9585, 0.3185, 0.4186 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, 243, 167)` looks like.

```
.text, #text, p{  
    color:rgb(183, 243, 167)  
}
```

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, 243, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 243, 167) }
```

Border

The CSS property to change the border of an element to Yxy 76.9585, 0.3185, 0.4186 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, 243, 167) }
```

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

```
.border{ border-color:rgb(183, 243, 167) }
```

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

Here you see how a box with a 4 pixel rgb(183, 243, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 243, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 243, 167);  
box-shadow:4px 4px 4px 4px rgb(183, 243,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9585, 0.3185, 0.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 243, 167) }
```

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

```
.background{ background-color: rgb(183,  
243, 167) }
```

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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