

Converting Colors

$Yxy(83.8032, 0.3110, 0.4094)$

Have a look what the booklet for
Yxy(83.8032, 0.3110, 0.4094)
contains.

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Color

Yxy(84.0671, 0.3113, 0.4101)

Conversions

Conversions Part 1

Format	Color
Hex	BAFDB6
RGB	186, 253, 182
RGB Percent	73%, 99%, 71%
CMY	0.2707, 0.0078, 0.2863
CMYK	0.26, 0.00, 0.28, 0.01
HSL	117°, 95%, 85%
HSV	117°, 28%, 99%
XYZ	63.8139, 84.0671, 57.1107
YIQ	224.8730, -17.1410, -36.2850

Conversions

Conversions Part 2

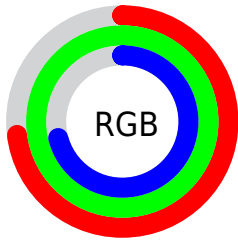
Format	Color
RYB	182, 253, 249
Decimal	12254646
CIELab	93.48, -34.07, 27.46
CIELCh	93, 43.766, 141.131
Yxy	84.0671, 0.3113, 0.4101
Android (android.graphics.Color)	4290444726 (0xFFBAFDB6)
YUV	224.8730, -21.1364, -34.0916
Hunter-Lab	91.6881, -36.2202, 27.2511

Details

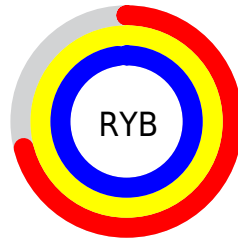
The Yxy color **84.0671, 0.3113, 0.4101** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.6852, 0.3129, 0.2582**, and the grayscale version is **75.3618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7477, 0.3150, 0.3458**, and **45.8901, 0.3095, 0.4295** is the 20% darker color. If you saturate the color by 10%, you get **80.3729, 0.3103, 0.4445**, and if you desaturate by 10%, it is **88.4571, 0.3120, 0.3782**.

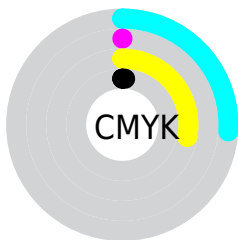
Distribution



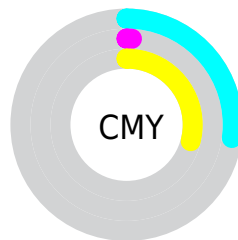
- Red (73%)
- Green (99%)
- Blue (71%)



- Red (71%)
- Yellow (99%)
- Blue (98%)



- Cyan (26%)
- Magenta (0%)
- Yellow (28%)
- Black (1%)




- Cyan (27%)
- Magenta (1%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0671, 0.3113, 0.4101 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 84.0671, 0.3113, 0.4101 by changing the saturation by 10% instead.

 84.0671, 0.3113,
0.4101

 84.0671, 0.3113,
0.4101


508.5360, 0.3130,
0.3717

 63.0708, 0.3107,
0.4190


 139.0690, 0.3121,
0.3966

 45.8985, 0.3098,
0.4301


173.8435, 0.3123,
0.3915

 32.1657, 0.3084,
0.4443


213.9795, 0.3125,
0.3870

 21.4881, 0.3063,
0.4630

259.8614, 0.3126,
0.3831

 13.4813, 0.3027,
0.4885

311.8736, 0.3127,
0.3797

 7.7608, 0.2962,
0.5254

370.4005, 0.3128,

 3.9423, 0.2832,

0.3768

0.5824

435.8265, 0.3129,
0.3741

■ 1.6413, 0.2633,
0.7367

■ 0.3852, 0.0000,
1.0000

■ 84.0671, 0.3113,
0.4101

■ 84.0671, 0.3113,
0.4101

■ 80.3729, 0.3103,
0.4445

■ 88.4571, 0.3120,
0.3782

■ 77.3288, 0.3091,
0.4803

■ 93.5646, 0.3125,
0.3496

■ 74.9002, 0.3076,
0.5152

■ 98.7369, 0.3128,
0.3271

■ 73.0452, 0.3059,
0.5467

■ 71.7164, 0.3041,
0.5722

■ 70.8590, 0.3024,
0.5895

■ 70.4044, 0.3010,
0.5982

■ 70.3521, 0.3008,
0.5993

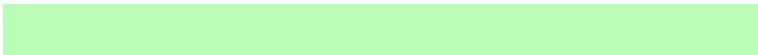
Harmonies

Analogous

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



84.0671, 0.3603, 0.4197



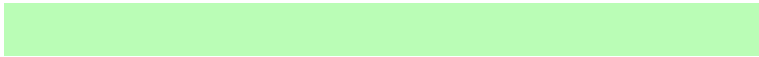
84.0671, 0.3113, 0.4101



84.0671, 0.2650, 0.3719

Triad

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



84.0671, 0.3113, 0.4101



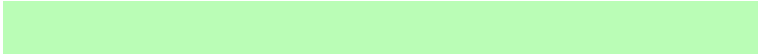
84.0671, 0.2315, 0.2543



84.0671, 0.3988, 0.3271

Complementary

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



84.0671, 0.3113, 0.4101



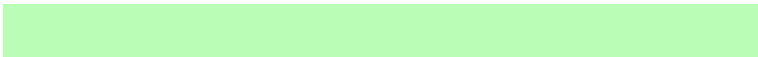
60.6852, 0.3129, 0.2582

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.



84.0671, 0.3588, 0.2902



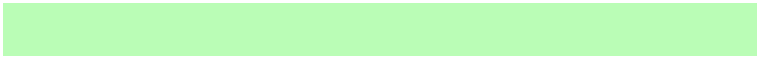
84.0671, 0.3113, 0.4101



84.0671, 0.2617, 0.2495

Square

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



84.0671, 0.3113, 0.4101



84.0671, 0.2215, 0.2789



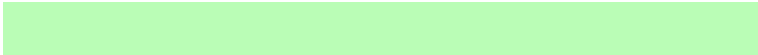
84.0671, 0.3076, 0.2626



84.0671, 0.4132, 0.3669

Rectangle

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



84.0671, 0.3113, 0.4101



84.0671, 0.2415, 0.3383



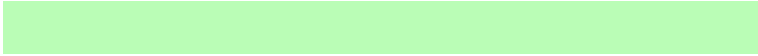
84.0671, 0.3076, 0.2626



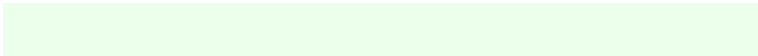
84.0671, 0.3877, 0.3141

Sweetspot

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



84.0707, 0.3113, 0.4101



95.2848, 0.3125, 0.3494



91.5654, 0.3565, 0.3951



20.2169, 0.3124, 0.3535



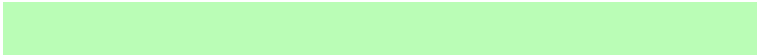
0.0000, 0.0000, 0.0000



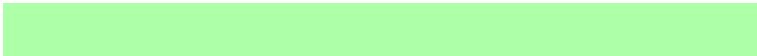
21.4041, 0.3127, 0.3290

Same Dimension

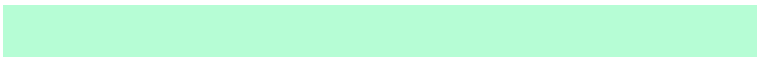
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0707, 0.3113, 0.4101



83.2629, 0.3108, 0.4303



84.9924, 0.2924, 0.3743



20.2169, 0.3124, 0.3535



37.4403, 0.3011, 0.5991



3.6618, 0.3039, 0.5969

Inverse Universe

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



60.6852, 0.3129, 0.2582



55.6826, 0.3128, 0.2433



59.6214, 0.3401, 0.2878



18.2453, 0.3129, 0.3055



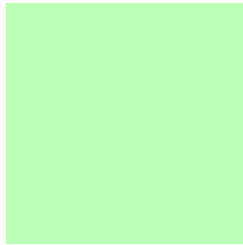
13.5347, 0.3068, 0.1464



1.3331, 0.3085, 0.1473

Previews

White Background



This preview shows how the Yxy color 84.0671, 0.3113, 0.4101 looks on a white background.

Color Contrast Check

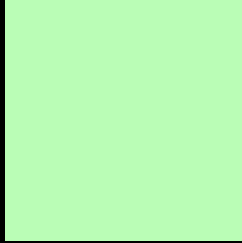
Large Text (above 18pt) WCAG AA × Fail

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 84.0671, 0.3113, 0.4101 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 84.0671, 0.3113, 0.4101

Background



This preview shows how black text looks on a background with the Yxy color 84.0671, 0.3113, 0.4101.

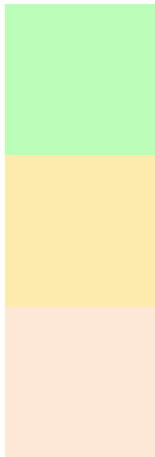


This preview shows how white text looks on a background with the Yxy color 84.0671, 0.3113, 0.4101.

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

84.0671, 0.3113, 0.4101

Protanopia

83.3553, 0.3651, 0.3909

Deuteranopia

83.2669, 0.3406, 0.3461



Tritanopia

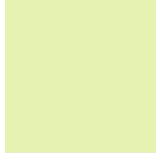
83.9795, 0.2859, 0.3144

Trichromacy



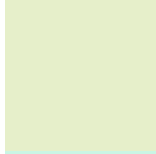
Original Color

84.0671, 0.3113, 0.4101



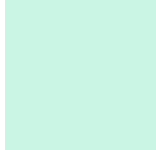
Protanomaly

83.3366, 0.3441, 0.3983



Deuteranomaly

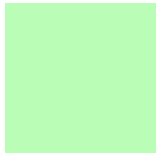
82.8203, 0.3297, 0.3682



Tritanomaly

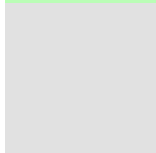
83.4628, 0.2956, 0.3474

Monochromacy



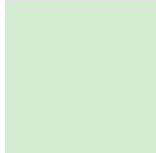
Original Color

84.0671, 0.3113, 0.4101



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

77.8690, 0.3127, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0671, 0.3113, 0.4101 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(186, 253, 182)` looks like.

```
.text, #text, p{  
    color:rgb(186, 253, 182)  
}
```

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(186, 253, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 253, 182) }
```

Border

The CSS property to change the border of an element to Yxy 84.0671, 0.3113, 0.4101 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(186, 253, 182) }
```

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

```
.border{ border-color:rgb(186, 253, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 253, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 253, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 253, 182);  
box-shadow:4px 4px 4px 4px rgb(186, 253,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0671, 0.3113, 0.4101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 253, 182) }
```

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

```
.background{ background-color: rgb(186,  
253, 182) }
```

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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