

Converting Colors

$Yxy(81.5245, 0.3184, 0.4273)$

Have a look what the booklet for
Yxy(81.5245, 0.3184, 0.4273)
contains.

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Color

Yxy(81.8148, 0.3183, 0.4275)

Conversions

Conversions Part 1

Format	Color
Hex	B7FBA6
RGB	183, 251, 166
RGB Percent	72%, 98%, 65%
CMY	0.2822, 0.0157, 0.3491
CMYK	0.27, 0.00, 0.34, 0.02
HSL	108°, 91%, 82%
HSV	108°, 34%, 98%
XYZ	60.9161, 81.8148, 48.6487
YIQ	220.9780, -13.2430, -40.8510

Conversions

Conversions Part 2

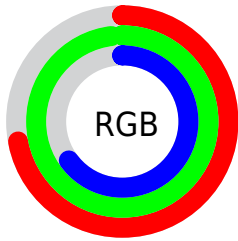
Format	Color
RYB	166, 251, 234
Decimal	12057510
CIELab	92.49, -36.55, 34.16
CIELCh	92, 50.030, 136.938
Yxy	81.8148, 0.3183, 0.4275
Android (android.graphics.Color)	4290247590 (0xFFB7FBA6)
YUV	220.9780, -27.1042, -33.3067
Hunter-Lab	90.4515, -38.0763, 31.4274

Details

The Yxy color **81.8148, 0.3183, 0.4275** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.7118, 0.3028, 0.2411**, and the grayscale version is **72.4988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3192, 0.3225, 0.3621**, and **44.3650, 0.3178, 0.4523** is the 20% darker color. If you saturate the color by 10%, you get **78.6973, 0.3189, 0.4614**, and if you desaturate by 10%, it is **85.4696, 0.3171, 0.3952**.

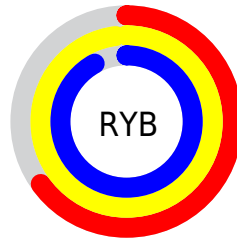
Distribution



Red (72%)

Green (98%)

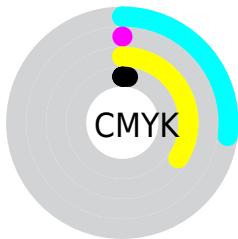
Blue (65%)



Red (65%)

Yellow (98%)

Blue (92%)

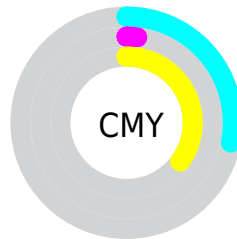


Cyan (27%)

Magenta (0%)

Yellow (34%)

Black (2%)



Cyan (28%)


Magenta (2%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8148, 0.3183, 0.4275 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 81.8148, 0.3183, 0.4275 by changing the saturation by 10% instead.


 81.8148, 0.3183,
0.4275


 81.8148, 0.3183,
0.4275


501.0280, 0.3173,
0.3805

 61.2129, 0.3181,
0.4385


 135.9143, 0.3183,
0.4110

 44.3970, 0.3177,
0.4522


 170.1806, 0.3182,
0.4046

 30.9827, 0.3167,
0.4696


209.7705, 0.3180,
0.3992

 20.5857, 0.3149,
0.4925

255.0685, 0.3179,
0.3944

 12.8215, 0.3112,
0.5238

306.4588, 0.3177,
0.3903

 7.3057, 0.3035,
0.5684


364.3259, 0.3176,


 3.6540, 0.2927,

0.3866


0.6498

429.0541, 0.3174,
0.3834


 1.4820, 0.2217,
0.7783


 0.2760, 0.0000,
1.0000


 81.8148, 0.3183,
0.4275

 81.8148, 0.3183,
0.4275


 78.6973, 0.3189,
0.4614


 85.4696, 0.3171,
0.3952

 76.0815, 0.3187,
0.4953

 89.6749, 0.3154,
0.3654

 73.9434, 0.3175,
0.5274

 94.4561, 0.3135,
0.3386

 72.2529, 0.3153,
0.5551

 97.4721, 0.3129,
0.3252

■ 70.9762, 0.3121,
0.5764

■ 70.0742, 0.3083,
0.5901

■ 69.6802, 0.3061,
0.5952

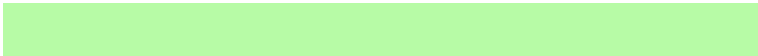
Harmonies

Analogous

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



81.8148, 0.3737, 0.4323



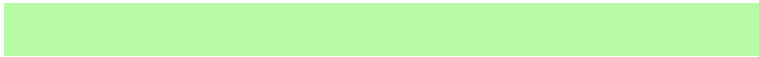
81.8148, 0.3183, 0.4275



81.8148, 0.2642, 0.3867

Triad

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



81.8148, 0.3183, 0.4275



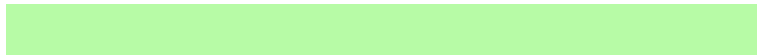
81.8148, 0.2173, 0.2461



81.8148, 0.4072, 0.3198

Complementary

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



81.8148, 0.3183, 0.4275



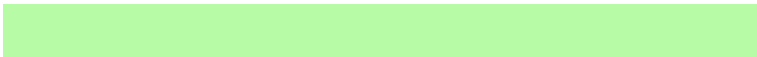
51.7118, 0.3028, 0.2411

Split Complementary

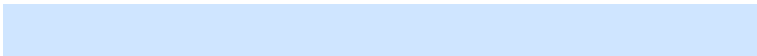
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8148, 0.3576, 0.2795



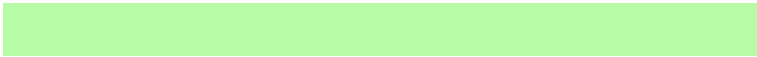
81.8148, 0.3183, 0.4275



81.8148, 0.2482, 0.2382

Square

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



81.8148, 0.3183, 0.4275



81.8148, 0.2093, 0.2765



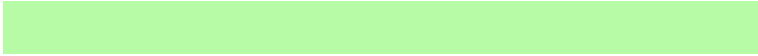
81.8148, 0.2984, 0.2505



81.8148, 0.4284, 0.3648

Rectangle

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



81.8148, 0.3183, 0.4275



81.8148, 0.2359, 0.3476



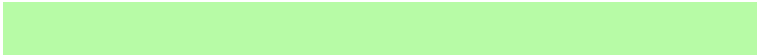
81.8148, 0.2984, 0.2505



81.8148, 0.3931, 0.3055

Sweetspot

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



81.8183, 0.3183, 0.4275



94.8026, 0.3147, 0.3547



81.2998, 0.3696, 0.3971



20.1458, 0.3150, 0.3586



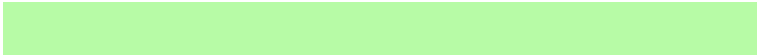
0.0000, 0.0000, 0.0000



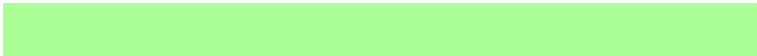
21.4041, 0.3127, 0.3290

Same Dimension

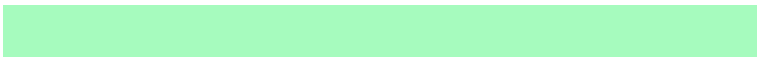
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8183, 0.3183, 0.4275



82.4440, 0.3188, 0.4517



80.8182, 0.2953, 0.4010



19.4770, 0.3146, 0.3533



36.6761, 0.3068, 0.5946



3.4391, 0.3142, 0.5888

Inverse Universe

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



51.7118, 0.3028, 0.2411



46.6707, 0.2999, 0.2223



53.3163, 0.3364, 0.2667



17.3383, 0.3106, 0.3054



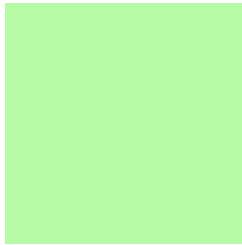
10.2228, 0.2705, 0.1264



0.9899, 0.2768, 0.1299

Previews

White Background



This preview shows how the Yxy color 81.8148, 0.3183, 0.4275 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 81.8148, 0.3183, 0.4275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

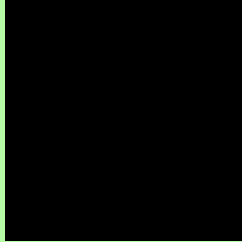
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.8148, 0.3183, 0.4275

Background



This preview shows how black text looks on a background with the Yxy color 81.8148, 0.3183, 0.4275.

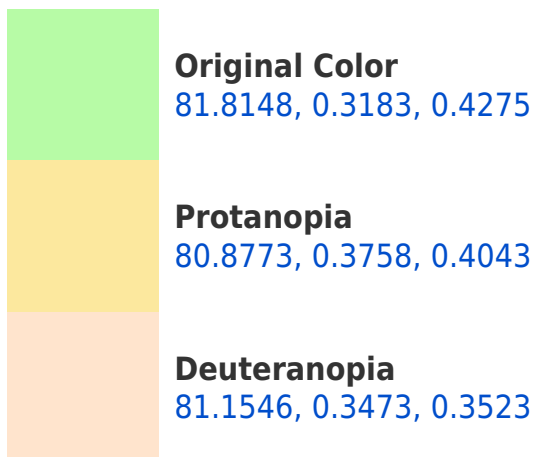


This preview shows how white text looks on a background with the Yxy color 81.8148, 0.3183, 0.4275.

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

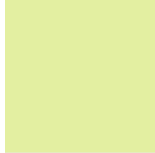
81.2064, 0.2816, 0.3110

Trichromacy



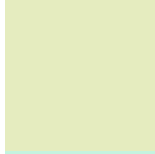
Original Color

81.8148, 0.3183, 0.4275



Protanomaly

80.6371, 0.3533, 0.4130



Deuteranomaly

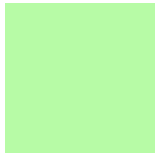
80.4105, 0.3364, 0.3772



Tritanomaly

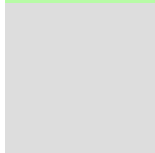
81.1647, 0.2947, 0.3511

Monochromacy



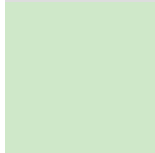
Original Color

81.8148, 0.3183, 0.4275



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.1957, 0.3152, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8148, 0.3183, 0.4275 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, 251, 166)` looks like.

```
.text, #text, p{  
    color:rgb(183, 251, 166)  
}
```

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, 251, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 251, 166) }
```

Border

The CSS property to change the border of an element to Yxy 81.8148, 0.3183, 0.4275 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, 251, 166) }
```

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

```
.border{ border-color:rgb(183, 251, 166) }
```

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

Here you see how a box with a 4 pixel rgb(183, 251, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 251, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 251, 166);  
box-shadow:4px 4px 4px 4px rgb(183, 251,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8148, 0.3183, 0.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 251, 166) }
```

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

```
.background{ background-color: rgb(183,  
251, 166) }
```

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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