

Converting Colors

$Yxy(80.3257, 0.3141, 0.4072)$

Have a look what the booklet for
Yxy(80.3257, 0.3141, 0.4072)
contains.

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Color

Yxy(80.3410, 0.3140, 0.4076)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | BBF7B3 |
| RGB | 187, 247, 179 |
| RGB Percent | 73%, 97%, 70% |
| CMY | 0.2666, 0.0314, 0.2982 |
| CMYK | 0.24, 0.00, 0.28, 0.03 |
| HSL | 113°, 81%, 84% |
| HSV | 113°, 28%, 97% |
| XYZ | 61.8917, 80.3410, 54.8747 |
| YIQ | 221.3080, -13.9320, -33.8680 |

Conversions

Conversions Part 2

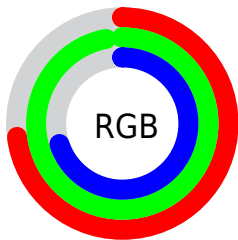
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 179, 247, 239 |
| Decimal | 12318643 |
| CIELab | 91.84, -31.44, 26.77 |
| CIELCh | 92, 41.290, 139.588 |
| Yxy | 80.3410, 0.3140, 0.4076 |
| Android (android.graphics.Color) | 4290508723 (0xFFBBF7B3) |
| YUV | 221.3080, -20.8578, -30.0881 |
| Hunter-Lab | 89.6331, -33.6036, 26.4450 |

Details

The Yxy color **80.3410, 0.3140, 0.4076** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.2848, 0.3096, 0.2590**, and the grayscale version is **72.6935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7513, 0.3174, 0.3487**, and **43.2388, 0.3127, 0.4266** is the 20% darker color. If you saturate the color by 10%, you get **76.8912, 0.3139, 0.4413**, and if you desaturate by 10%, it is **84.3931, 0.3137, 0.3763**.

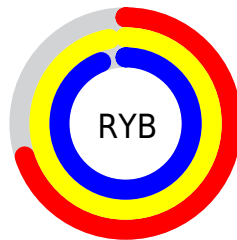
Distribution



Red (73%)

Green (97%)

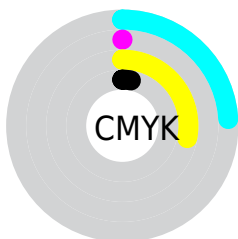
Blue (70%)



Red (70%)

Yellow (97%)

Blue (94%)

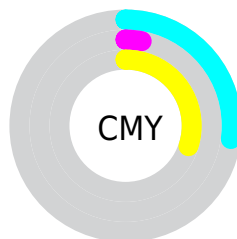


Cyan (24%)

Magenta (0%)

Yellow (28%)

Black (3%)



Cyan (27%)


Magenta (3%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3410, 0.3140, 0.4076 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 80.3410, 0.3140, 0.4076 by changing the saturation by 10% instead.


 80.3410, 0.3140,
0.4076

 80.3410, 0.3140,
0.4076


496.0813, 0.3144,
0.3702

 59.9990, 0.3137,
0.4164

 133.8451, 0.3143,
0.3944

 43.4178, 0.3131,
0.4273


167.7759, 0.3144,
0.3894

 30.2131, 0.3122,
0.4413


207.0052, 0.3144,
0.3850

 20.0004, 0.3107,
0.4598

251.9172, 0.3144,
0.3813

 12.3953, 0.3078,
0.4853

302.8964, 0.3144,
0.3780

 7.0135, 0.3023,
0.5224


360.3273, 0.3144,


 3.4706, 0.2908,


0.3751


0.5817

424.5941, 0.3144,
0.3725


 1.3820, 0.2570,
0.7430


 0.2034, 0.0000,
1.0000


 80.3410, 0.3140,
0.4076


 80.3410, 0.3140,
0.4076

 76.8912, 0.3139,
0.4413

 84.3931, 0.3137,
0.3763


 74.0052, 0.3133,
0.4763

 89.0637, 0.3132,
0.3481

 71.6559, 0.3121,
0.5108

 94.3808, 0.3125,
0.3232

 69.8097, 0.3104,
0.5422

 95.0036, 0.3131,
0.3214

■ 68.4295, 0.3081,
0.5680

■ 67.4725, 0.3055,
0.5863

■ 66.8870, 0.3029,
0.5964

■ 66.7883, 0.3024,
0.5981

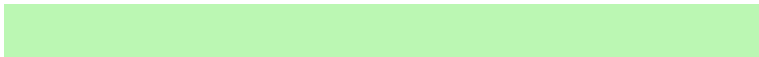
Harmonies

Analogous

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



80.3410, 0.3607, 0.4155



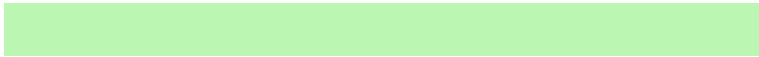
80.3410, 0.3140, 0.4076



80.3410, 0.2690, 0.3724

Triad

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



80.3410, 0.3140, 0.4076



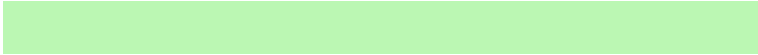
80.3410, 0.2337, 0.2581



80.3410, 0.3936, 0.3254

Complementary

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



80.3410, 0.3140, 0.4076



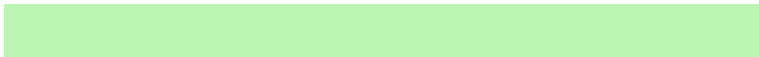
57.2848, 0.3096, 0.2590

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.



80.3410, 0.3545, 0.2901



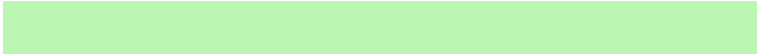
80.3410, 0.3140, 0.4076



80.3410, 0.2619, 0.2523

Square

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



80.3410, 0.3140, 0.4076



80.3410, 0.2250, 0.2829



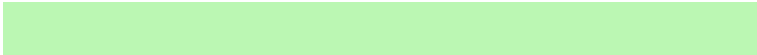
80.3410, 0.3055, 0.2641



80.3410, 0.4090, 0.3638

Rectangle

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



80.3410, 0.3140, 0.4076



80.3410, 0.2459, 0.3406



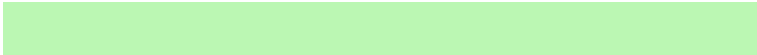
80.3410, 0.3055, 0.2641



80.3410, 0.3827, 0.3130

Sweetspot

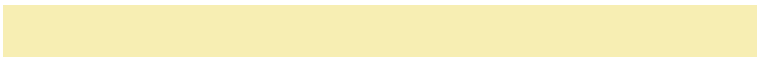
The Sweet Spot groups the original color and five complimentary colors.



80.3444, 0.3140, 0.4076



95.5021, 0.3133, 0.3494



84.1376, 0.3567, 0.3895



20.2711, 0.3133, 0.3534



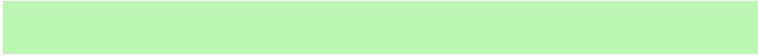
0.0000, 0.0000, 0.0000



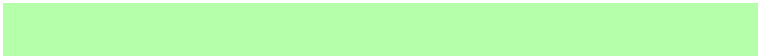
21.4041, 0.3127, 0.3290

Same Dimension

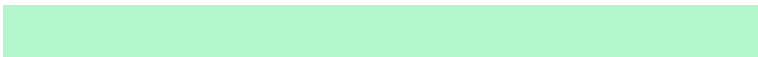
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3444, 0.3140, 0.4076



84.2554, 0.3140, 0.4259



80.4590, 0.2952, 0.3787



18.5659, 0.3133, 0.3533



35.3520, 0.3030, 0.5976



3.1369, 0.3087, 0.5931

Inverse Universe

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



57.2848, 0.3096, 0.2590



55.7087, 0.3086, 0.2447



57.2790, 0.3357, 0.2841



16.6629, 0.3119, 0.3055



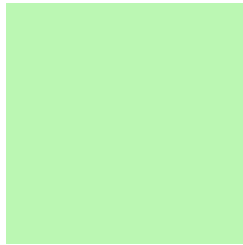
11.4564, 0.2912, 0.1378



1.0345, 0.2952, 0.1400

Previews

White Background



This preview shows how the Yxy color 80.3410, 0.3140, 0.4076 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 80.3410, 0.3140, 0.4076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

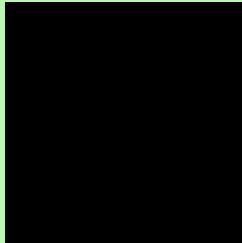
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.3410, 0.3140, 0.4076

Background



This preview shows how black text looks on a background with the Yxy color 80.3410, 0.3140, 0.4076.

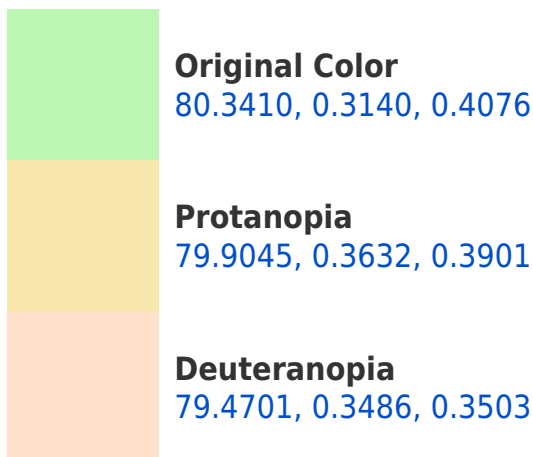


This preview shows how white text looks on a background with the Yxy color 80.3410, 0.3140, 0.4076.

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

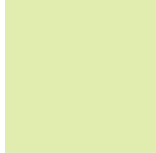
80.2059, 0.2797, 0.3098

Trichromacy



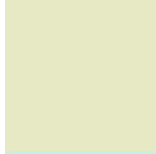
Original Color

80.3410, 0.3140, 0.4076



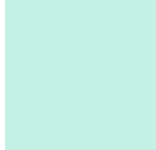
Protanomaly

79.6711, 0.3436, 0.3963



Deuteranomaly

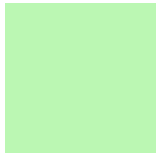
79.0410, 0.3350, 0.3697



Tritanomaly

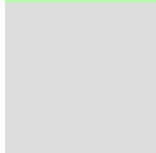
80.1924, 0.2924, 0.3444

Monochromacy



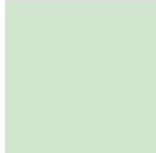
Original Color

80.3410, 0.3140, 0.4076



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.6052, 0.3135, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3410, 0.3140, 0.4076 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, 247, 179)` looks like.

```
.text, #text, p{  
    color:rgb(187, 247, 179)  
}
```

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, 247, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 247, 179) }
```

Border

The CSS property to change the border of an element to Yxy 80.3410, 0.3140, 0.4076 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, 247, 179) }
```

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

```
.border{ border-color:rgb(187, 247, 179) }
```

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

Here you see how a box with a 4 pixel rgb(187, 247, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 247, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 247, 179);  
box-shadow:4px 4px 4px 4px rgb(187, 247,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3410, 0.3140, 0.4076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 247, 179) }
```

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

```
.background{ background-color: rgb(187,  
247, 179) }
```

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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