

Converting Colors

$Yxy(80.7921, 0.2908, 0.3554)$

Have a look what the booklet for
Yxy(80.7921, 0.2908, 0.3554)
contains.

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Color

Yxy(80.4866, 0.2905, 0.3548)

Conversions

Conversions Part 1

Format	Color
Hex	BBF4DD
RGB	187, 244, 221
RGB Percent	73%, 96%, 87%
CMY	0.2665, 0.0431, 0.1334
CMYK	0.23, 0.00, 0.09, 0.04
HSL	156°, 72%, 85%
HSV	156°, 23%, 96%
XYZ	65.9001, 80.4866, 80.4639
YIQ	224.3350, -26.5890, -19.2370

Conversions

Conversions Part 2

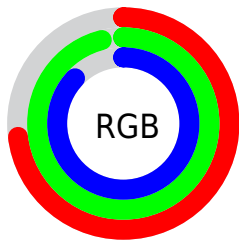
Format	Color
RYB	187, 223, 244
Decimal	12317917
CIELab	91.90, -22.56, 5.22
CIELCh	92, 23.154, 166.970
Yxy	80.4866, 0.2905, 0.3548
Android (android.graphics.Color)	4290507997 (0xFFBBF4DD)
YUV	224.3350, -1.6442, -32.7428
Hunter-Lab	89.7143, -25.8820, 9.6234

Details

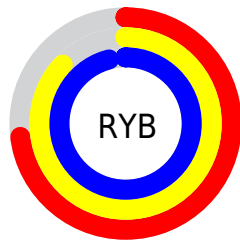
The Yxy color **80.4866, 0.2905, 0.3548** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.4424, 0.3420, 0.3046**, and the grayscale version is **74.8254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **43.7062, 0.2856, 0.3614** is the 20% darker color. If you saturate the color by 10%, you get **77.1589, 0.2819, 0.3678**, and if you desaturate by 10%, it is **84.3746, 0.2998, 0.3430**.

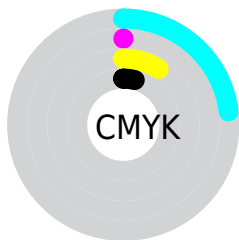
Distribution



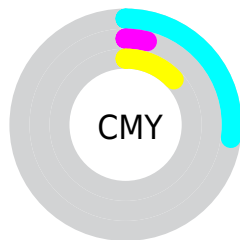
- Red (73%)
- Green (96%)
- Blue (87%)



- Red (73%)
- Yellow (87%)
- Blue (96%)



- Cyan (23%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)





- Cyan (27%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4866, 0.2905, 0.3548 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 80.4866, 0.2905, 0.3548 by changing the saturation by 10% instead.


 80.4866, 0.2905,
0.3548

 80.4866, 0.2905,
0.3548


496.5712, 0.3007,
0.3429

 60.1189, 0.2882,
0.3575


 134.0497, 0.2940,
0.3507

 43.5144, 0.2853,
0.3609

168.0137, 0.2954,
0.3490

 30.2890, 0.2817,
0.3652


207.2788, 0.2966,
0.3477

 20.0580, 0.2771,
0.3708

252.2291, 0.2976,
0.3464

 12.4372, 0.2707,
0.3785

303.2491, 0.2985,
0.3454

 7.0422, 0.2617,
0.3896


360.7232, 0.2993,


 3.4885, 0.2477,


0.3444


0.4070


425.0357, 0.3001,
0.3436

 1.3918, 0.2216,
0.4394


 0.2106, 0.0000,
1.0000


 80.4866, 0.2905,
0.3548


 80.4866, 0.2905,
0.3548

 77.1589, 0.2819,
0.3678


 84.3746, 0.2998,
0.3430


 74.3546, 0.2744,
0.3818

 88.8381, 0.3094,
0.3323

 72.0478, 0.2682,
0.3966

 92.8978, 0.3159,
0.3227

 70.2063, 0.2637,
0.4122

 93.1809, 0.3132,
0.3185

■ 68.7940, 0.2611,
0.4281

■ 67.7690, 0.2605,
0.4440

■ 67.0808, 0.2620,
0.4596

■ 66.7596, 0.2638,
0.4697

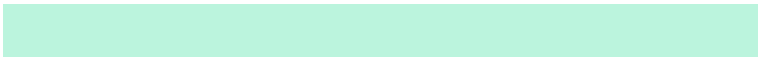
Harmonies

Analogous

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



80.4866, 0.3168, 0.3725



80.4866, 0.2905, 0.3548



80.4866, 0.2707, 0.3297

Triad

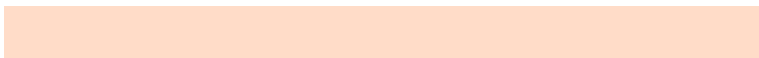
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4866, 0.2905, 0.3548



80.4866, 0.2821, 0.2842



80.4866, 0.3663, 0.3486

Complementary

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



80.4866, 0.2905, 0.3548



59.4424, 0.3420, 0.3046

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.



80.4866, 0.3563, 0.3260



80.4866, 0.2905, 0.3548



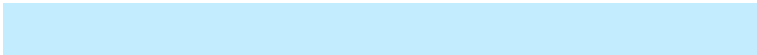
80.4866, 0.3068, 0.2900

Square

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



80.4866, 0.2905, 0.3548



80.4866, 0.2660, 0.2895



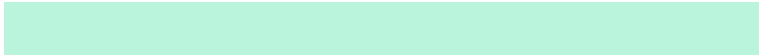
80.4866, 0.3342, 0.3050



80.4866, 0.3611, 0.3674

Rectangle

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



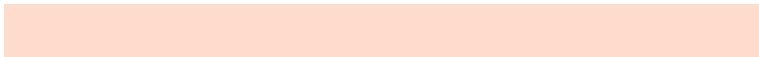
80.4866, 0.2905, 0.3548



80.4866, 0.2635, 0.3131



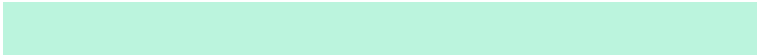
80.4866, 0.3342, 0.3050



80.4866, 0.3646, 0.3412

Sweetspot

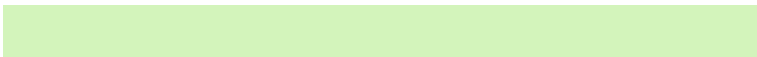
The Sweet Spot groups the original color and five complimentary colors.



80.4899, 0.2905, 0.3548



96.3148, 0.3058, 0.3361



82.1048, 0.3251, 0.3919



20.5506, 0.3053, 0.3367



0.0000, 0.0000, 0.0000



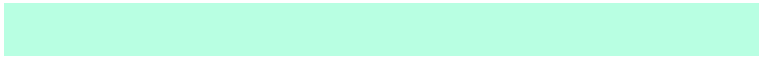
21.4041, 0.3127, 0.3290

Same Dimension

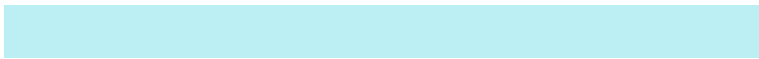
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4899, 0.2905, 0.3548



87.1612, 0.2864, 0.3608



78.9811, 0.2777, 0.3237



18.6379, 0.3035, 0.3387



36.3283, 0.2631, 0.4672



3.2132, 0.2578, 0.4480

Inverse Universe

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



59.4424, 0.3420, 0.3046



60.1504, 0.3497, 0.2995



60.4248, 0.3600, 0.3343



16.5934, 0.3230, 0.3195



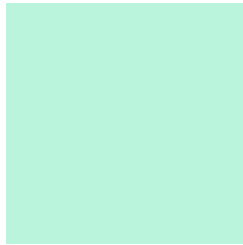
10.9682, 0.5364, 0.2729



0.9838, 0.5034, 0.2547

Previews

White Background



This preview shows how the Yxy color 80.4866, 0.2905, 0.3548 looks on a white background.

Color Contrast Check

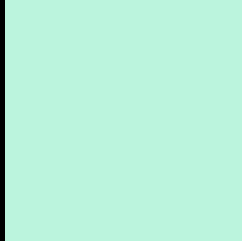
Large Text (above 18pt) WCAG AA × Fail

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 80.4866, 0.2905, 0.3548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

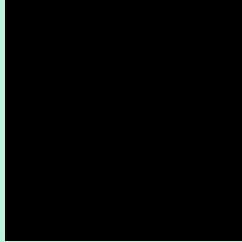
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

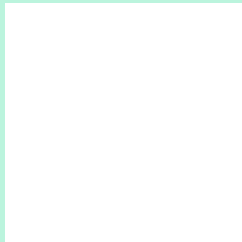
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4866, 0.2905, 0.3548

Background



This preview shows how black text looks on a background with the Yxy color 80.4866, 0.2905, 0.3548.

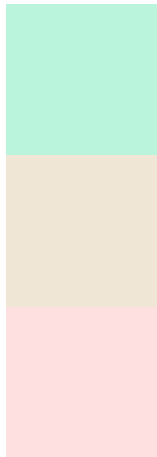


This preview shows how white text looks on a background with the Yxy color 80.4866, 0.2905, 0.3548.

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

80.4866, 0.2905, 0.3548

Protanopia

79.7994, 0.3294, 0.3457

Deuteranopia

80.0076, 0.3341, 0.3281



Tritanopia

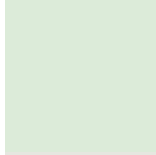
80.5112, 0.2786, 0.3108

Trichromacy



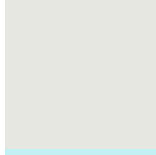
Original Color

80.4866, 0.2905, 0.3548



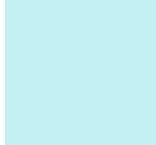
Protanomaly

79.6421, 0.3138, 0.3484



Deuteranomaly

79.3566, 0.3165, 0.3364



Tritanomaly

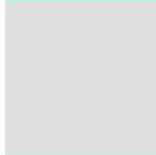
80.3933, 0.2829, 0.3257

Monochromacy



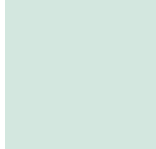
Original Color

80.4866, 0.2905, 0.3548



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

76.3284, 0.3042, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4866, 0.2905, 0.3548 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, 244, 221)` looks like.

```
.text, #text, p{  
    color:rgb(187, 244, 221)  
}
```

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, 244, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 244, 221) }
```

Border

The CSS property to change the border of an element to Yxy 80.4866, 0.2905, 0.3548 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, 244, 221) }
```

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

```
.border{ border-color:rgb(187, 244, 221) }
```

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

Here you see how a box with a 4 pixel rgb(187, 244, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 244, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 244, 221);  
box-shadow:4px 4px 4px 4px rgb(187, 244,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4866, 0.2905, 0.3548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 244, 221) }
```

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

```
.background{ background-color: rgb(187,  
244, 221) }
```

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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