

Converting Colors

$Yxy(80.3755, 0.2990, 0.3587)$

Have a look what the booklet for
Yxy(80.3755, 0.2990, 0.3587)
contains.

Yxy(80.1979, 0.2987, 0.3580)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.1979, 0.2987, 0.3580)

Conversions

Conversions Part 1

Format	Color
Hex	C4F2D8
RGB	196, 242, 216
RGB Percent	77%, 95%, 85%
CMY	0.2313, 0.0510, 0.1530
CMYK	0.19, 0.00, 0.11, 0.05
HSL	146°, 64%, 86%
HSV	146°, 19%, 95%
XYZ	66.9137, 80.1979, 76.9049
YIQ	225.2820, -19.0700, -17.8380

Conversions

Conversions Part 2

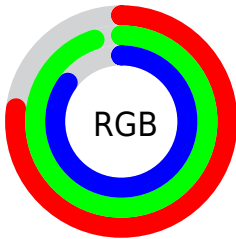
Format	Color
R_{YB}	196, 228, 242
Decimal	12907224
CIE _{Lab}	91.77, -19.74, 7.70
CIE _{LCh}	92, 21.194, 158.685
Yxy	80.1979, 0.2987, 0.3580
Android (android.graphics.Color)	4291097304 (0xFFC4F2D8)
YUV	225.2820, -4.5760, -25.6803
Hunter-Lab	89.5533, -23.3440, 11.7714

Details

The Yxy color **80.1979, 0.2987, 0.3580** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.6441, 0.3297, 0.3017**, and the grayscale version is **75.5561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **43.4418, 0.2958, 0.3655** is the 20% darker color. If you saturate the color by 10%, you get **76.5340, 0.2918, 0.3758**, and if you desaturate by 10%, it is **84.4510, 0.3060, 0.3420**.

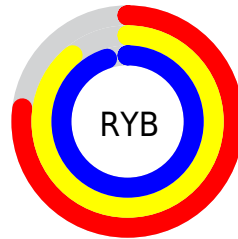
Distribution



Red (77%)

Green (95%)

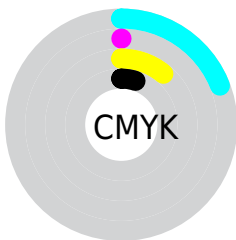
Blue (85%)



Red (77%)

Yellow (89%)

Blue (95%)

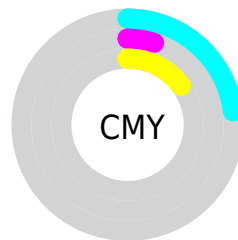


Cyan (19%)

Magenta (0%)

Yellow (11%)

Black (5%)



Cyan (23%)


Magenta (5%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1979, 0.2987, 0.3580 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 80.1979, 0.2987, 0.3580 by changing the saturation by 10% instead.


 80.1979, 0.2987,
0.3580

 80.1979, 0.2987,
0.3580


495.5995, 0.3052,
0.3445

 59.8812, 0.2972,
0.3611


133.6439, 0.3010,
0.3533

 43.3229, 0.2953,
0.3649


167.5421, 0.3018,
0.3515

 30.1385, 0.2930,
0.3698


206.7362, 0.3026,
0.3499

 19.9438, 0.2899,
0.3762

251.6106, 0.3033,
0.3486

 12.3542, 0.2856,
0.3850

302.5497, 0.3038,
0.3474

 6.9854, 0.2795,
0.3979

359.9380, 0.3044,

 3.4530, 0.2697,

0.3463

0.4182

424.1598, 0.3048,
0.3454

■ 1.3725, 0.2515,
0.4560

■ 0.1963, 0.0000,
1.0000

■ 80.1979, 0.2987,
0.3580

■ 80.1979, 0.2987,
0.3580

■ 76.5340, 0.2918,
0.3758

■ 84.4510, 0.3060,
0.3420

■ 73.4226, 0.2855,
0.3953

■ 89.3080, 0.3135,
0.3276

■ 70.8387, 0.2803,
0.4162

■ 91.9855, 0.3133,
0.3165

■ 68.7509, 0.2764,
0.4381

■ 67.1247, 0.2742,
0.4606

■ 65.9206, 0.2739,
0.4827

■ 65.0922, 0.2755,
0.5039

■ 64.5704, 0.2789,
0.5234

■ 64.5264, 0.2792,
0.5252

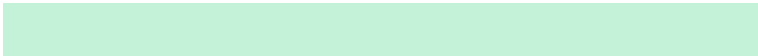
Harmonies

Analogous

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



80.1979, 0.3234, 0.3711



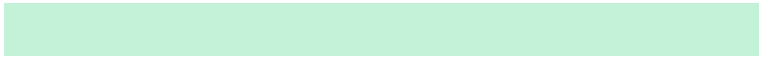
80.1979, 0.2987, 0.3580



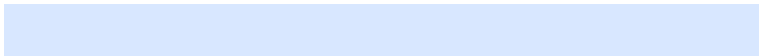
80.1979, 0.2783, 0.3363

Triad

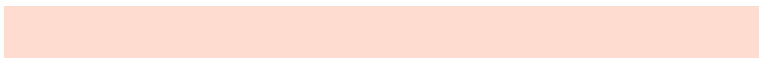
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1979, 0.2987, 0.3580



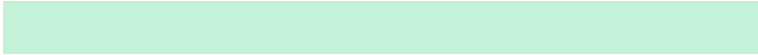
80.1979, 0.2796, 0.2881



80.1979, 0.3606, 0.3415

Complementary

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



80.1979, 0.2987, 0.3580



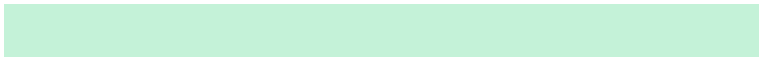
63.6441, 0.3297, 0.3017

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.



80.1979, 0.3479, 0.3207



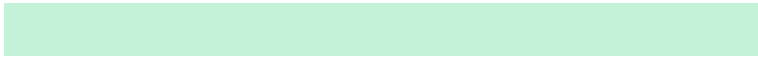
80.1979, 0.2987, 0.3580



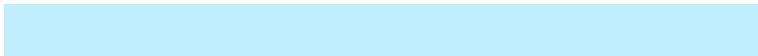
80.1979, 0.3006, 0.2907

Square

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



80.1979, 0.2987, 0.3580



80.1979, 0.2676, 0.2960



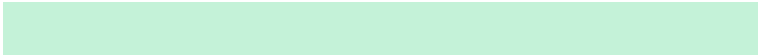
80.1979, 0.3257, 0.3024



80.1979, 0.3597, 0.3602

Rectangle

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



80.1979, 0.2987, 0.3580



80.1979, 0.2696, 0.3207



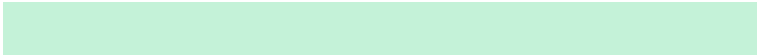
80.1979, 0.3257, 0.3024



80.1979, 0.3577, 0.3346

Sweetspot

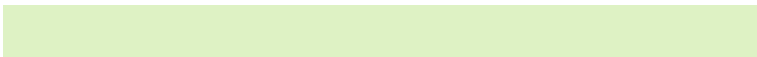
The Sweet Spot groups the original color and five complimentary colors.



80.2013, 0.2987, 0.3580



96.6676, 0.3082, 0.3375



83.0340, 0.3276, 0.3785



20.6165, 0.3077, 0.3385



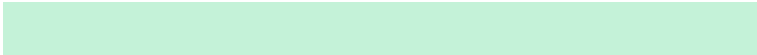
0.0000, 0.0000, 0.0000



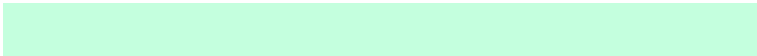
21.4041, 0.3127, 0.3290

Same Dimension

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



80.2013, 0.2987, 0.3580



88.5664, 0.2958, 0.3650



81.4726, 0.2859, 0.3323



17.7703, 0.3057, 0.3427



34.6897, 0.2784, 0.5222



2.9055, 0.2712, 0.4964

Inverse Universe

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



63.6441, 0.3297, 0.3017



66.5854, 0.3342, 0.2956



62.4955, 0.3476, 0.3258



15.9087, 0.3205, 0.3157



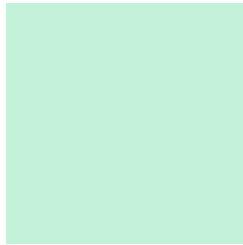
11.1385, 0.4680, 0.2352



0.9466, 0.4433, 0.2216

Previews

White Background



This preview shows how the Yxy color 80.1979, 0.2987, 0.3580 looks on a white background.

Color Contrast Check

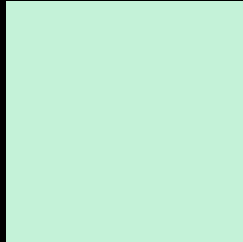
Large Text (above 18pt) WCAG AA × Fail

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 80.1979, 0.2987, 0.3580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

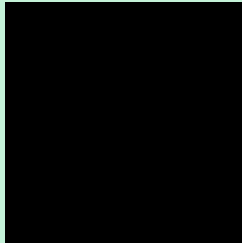
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

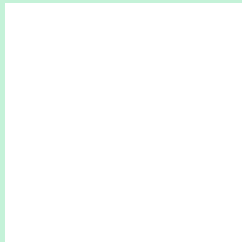
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1979, 0.2987, 0.3580

Background



This preview shows how black text looks on a background with the Yxy color 80.1979, 0.2987, 0.3580.

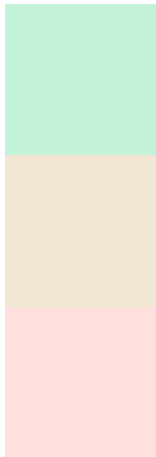


This preview shows how white text looks on a background with the Yxy color 80.1979, 0.2987, 0.3580.

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

80.1979, 0.2987, 0.3580

Protanopia

79.7720, 0.3327, 0.3499

Deuteranopia

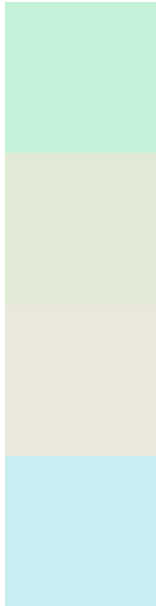
79.7918, 0.3369, 0.3321



Tritanopia

79.9074, 0.2808, 0.3088

Trichromacy



Original Color

80.1979, 0.2987, 0.3580

Protanomaly

79.4464, 0.3198, 0.3526

Deuteranomaly

79.7587, 0.3225, 0.3416

Tritanomaly

79.7793, 0.2869, 0.3257

Monochromacy



Original Color

80.1979, 0.2987, 0.3580

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.7219, 0.3069, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1979, 0.2987, 0.3580 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(196, 242, 216)` looks like.

```
.text, #text, p{  
    color:rgb(196, 242, 216)  
}
```

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(196, 242, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 242, 216) }
```

Border

The CSS property to change the border of an element to Yxy 80.1979, 0.2987, 0.3580 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(196, 242, 216) }
```

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

```
.border{ border-color:rgb(196, 242, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 242, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 242, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 242, 216);  
box-shadow:4px 4px 4px 4px rgb(196, 242,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1979, 0.2987, 0.3580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 242, 216) }
```

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

```
.background{ background-color: rgb(196,  
242, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor