

Converting Colors

$Yxy(80.0124, 0.2899, 0.3687)$

Have a look what the booklet for
Yxy(80.0124, 0.2899, 0.3687)
contains.

Yxy(80.0121, 0.2897, 0.3680)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.0121, 0.2897, 0.3680)

Conversions

Conversions Part 1

Format	Color
Hex	B1F6D4
RGB	177, 246, 212
RGB Percent	69%, 96%, 83%
CMY	0.3055, 0.0353, 0.1685
CMYK	0.28, 0.00, 0.14, 0.04
HSL	150°, 79%, 83%
HSV	150°, 28%, 96%
XYZ	62.9878, 80.0121, 74.4243
YIQ	221.4930, -30.2100, -25.2020

Conversions

Conversions Part 2

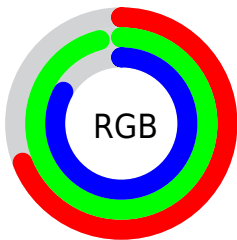
Format	Color
RYB	177, 223, 246
Decimal	11663060
CIELab	91.69, -28.26, 9.50
CIElCh	92, 29.813, 161.426
Yxy	80.0121, 0.2897, 0.3680
Android (android.graphics.Color)	4289853140 (0xFFB1F6D4)
YUV	221.4930, -4.6800, -39.0204
Hunter-Lab	89.4495, -30.8420, 13.2838

Details

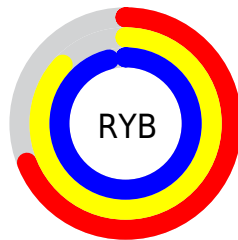
The Yxy color **80.0121, 0.2897, 0.3680** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.7763, 0.3443, 0.2932**, and the grayscale version is **72.7355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **43.0405, 0.2847, 0.3776** is the 20% darker color. If you saturate the color by 10%, you get **76.7913, 0.2826, 0.3847**, and if you desaturate by 10%, it is **83.8062, 0.2976, 0.3527**.

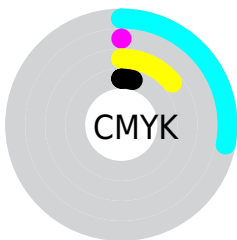
Distribution



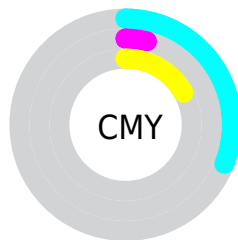
- Red (69%)
- Green (96%)
- Blue (83%)



- Red (69%)
- Yellow (87%)
- Blue (96%)



- Cyan (28%)
- Magenta (0%)
- Yellow (14%)
- Black (4%)





- Cyan (31%)
- Magenta (4%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0121, 0.2897, 0.3680 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 80.0121, 0.2897, 0.3680 by changing the saturation by 10% instead.


 80.0121, 0.2897,
0.3680

 80.0121, 0.2897,
0.3680


494.9736, 0.3004,
0.3497

 59.7283, 0.2872,
0.3722

 133.3827, 0.2934,
0.3616

 43.1997, 0.2842,
0.3775


167.2384, 0.2949,
0.3591

 30.0418, 0.2803,
0.3842


206.3868, 0.2961,
0.3570

 19.8703, 0.2752,
0.3930

251.2123, 0.2972,
0.3552

 12.3008, 0.2682,
0.4052

302.0993, 0.2982,
0.3536

 6.9489, 0.2581,
0.4231

359.4323, 0.2990,

 3.4302, 0.2420,

0.3521

423.5956, 0.2997,
0.3509

0.4518

1.3602, 0.2042,
0.5141

0.1871, 0.0000,
1.0000

80.0121, 0.2897,
0.3680

80.0121, 0.2897,
0.3680

76.7913, 0.2826,
0.3847

83.8062, 0.2976,
0.3527

74.1049, 0.2765,
0.4026

88.1906, 0.3059,
0.3390

71.9245, 0.2718,
0.4215

93.1935, 0.3144,
0.3267

70.2152, 0.2689,
0.4410

94.3831, 0.3131,
0.3204

■ 68.9371, 0.2679,
0.4606

■ 68.0434, 0.2690,
0.4797

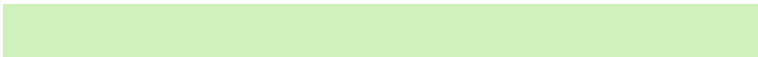
■ 67.4705, 0.2719,
0.4978

■ 67.3766, 0.2726,
0.5013

Harmonies

Analogous

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



80.0121, 0.3240, 0.3883



80.0121, 0.2897, 0.3680



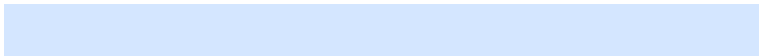
80.0121, 0.2626, 0.3358

Triad

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



80.0121, 0.2897, 0.3680



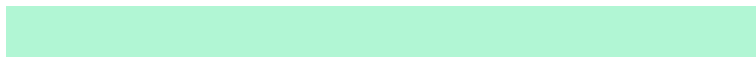
80.0121, 0.2686, 0.2721



80.0121, 0.3811, 0.3482

Complementary

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



80.0121, 0.2897, 0.3680



55.7763, 0.3443, 0.2932

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.



80.0121, 0.3647, 0.3195



80.0121, 0.2897, 0.3680



80.0121, 0.2984, 0.2771

Square

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



80.0121, 0.2897, 0.3680



80.0121, 0.2510, 0.2810



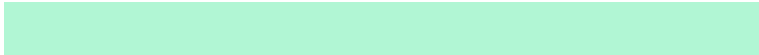
80.0121, 0.3338, 0.2942



80.0121, 0.3778, 0.3740

Rectangle

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



80.0121, 0.2897, 0.3680



80.0121, 0.2517, 0.3136



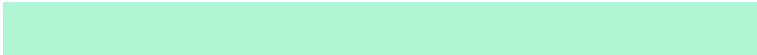
80.0121, 0.3338, 0.2942



80.0121, 0.3777, 0.3386

Sweetspot

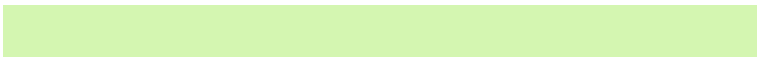
The Sweet Spot groups the original color and five complimentary colors.



80.0154, 0.2897, 0.3680



95.7032, 0.3059, 0.3390



83.0096, 0.3313, 0.4049



20.3219, 0.3046, 0.3410



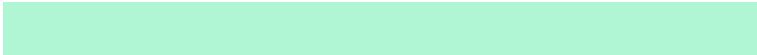
0.0000, 0.0000, 0.0000



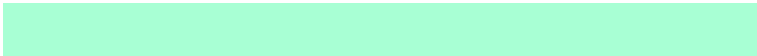
21.4041, 0.3127, 0.3290

Same Dimension

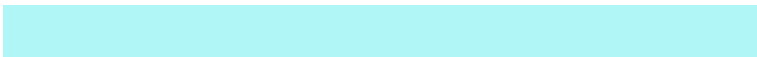
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0154, 0.2897, 0.3680



84.6443, 0.2853, 0.3779



81.9138, 0.2720, 0.3289



18.6123, 0.3047, 0.3409



35.9960, 0.2718, 0.4984



3.1845, 0.2655, 0.4758

Inverse Universe

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



55.7763, 0.3443, 0.2932



54.0814, 0.3535, 0.2851



54.2483, 0.3743, 0.3292



16.6187, 0.3216, 0.3174



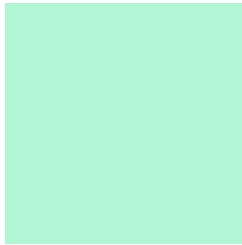
11.2266, 0.4990, 0.2523



1.0074, 0.4707, 0.2367

Previews

White Background



This preview shows how the Yxy color 80.0121, 0.2897, 0.3680 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 80.0121, 0.2897, 0.3680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

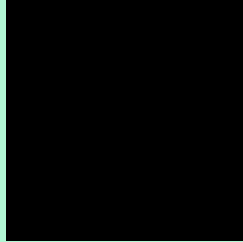
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.0121, 0.2897, 0.3680

Background



This preview shows how black text looks on a background with the Yxy color 80.0121, 0.2897, 0.3680.

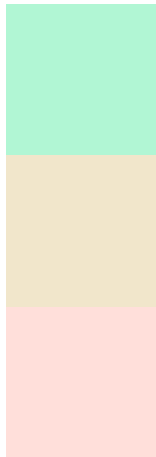


This preview shows how white text looks on a background with the Yxy color 80.0121, 0.2897, 0.3680.

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

80.0121, 0.2897, 0.3680

Protanopia

79.6062, 0.3381, 0.3572

Deuteranopia

79.0973, 0.3391, 0.3341



Tritanopia

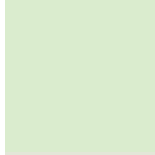
79.7065, 0.2752, 0.3106

Trichromacy



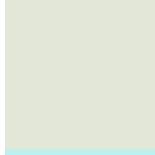
Original Color

80.0121, 0.2897, 0.3680



Protanomaly

79.3526, 0.3192, 0.3616



Deuteranomaly

78.4406, 0.3195, 0.3450



Tritanomaly

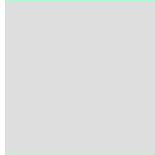
79.7074, 0.2805, 0.3311

Monochromacy



Original Color

80.0121, 0.2897, 0.3680



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.3356, 0.3040, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0121, 0.2897, 0.3680 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(177, 246, 212)` looks like.

```
.text, #text, p{  
    color:rgb(177, 246, 212)  
}
```

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(177, 246, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 246, 212) }
```

Border

The CSS property to change the border of an element to Yxy 80.0121, 0.2897, 0.3680 is called "border". The border property can be set on classes, ids or directly on the HTML element.

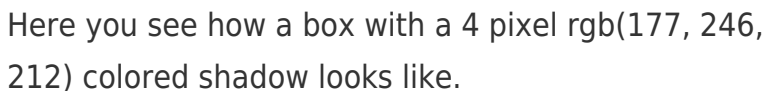
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 246, 212) }
```

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

```
.border{ border-color:rgb(177, 246, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 246, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 246, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 246, 212); box-shadow:4px 4px 4px 4px rgb(177, 246, 212) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0121, 0.2897, 0.3680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 246, 212) }
```

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

```
.background{ background-color: rgb(177,  
246, 212) }
```

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