

Converting Colors

$Yxy(79.8377, 0.2785, 0.3401)$

Have a look what the booklet for
Yxy(79.8377, 0.2785, 0.3401)
contains.

Yxy(80.1069, 0.2784, 0.3401)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.1069, 0.2784, 0.3401)

Conversions

Conversions Part 1

Format	Color
Hex	B2F4EA
RGB	178, 244, 234
RGB Percent	70%, 96%, 92%
CMY	0.3017, 0.0432, 0.0823
CMYK	0.27, 0.00, 0.04, 0.04
HSL	171°, 75%, 83%
HSV	171°, 27%, 96%
XYZ	65.5741, 80.1069, 89.8582
YIQ	223.1260, -36.1260, -17.1020

Conversions

Conversions Part 2

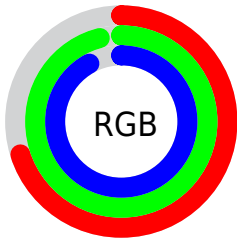
Format	Color
R_{YB}	178, 214, 244
Decimal	11728106
CIE _{Lab}	91.73, -22.56, -1.85
CIE _{LCh}	92, 22.632, 184.694
Yxy	80.1069, 0.2784, 0.3401
Android (android.graphics.Color)	4289918186 (0xFFB2F4EA)
YUV	223.1260, 5.3609, -39.5755
Hunter-Lab	89.5025, -25.8510, 3.1260

Details

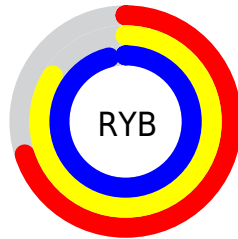
The Yxy color **80.1069, 0.2784, 0.3401** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **54.7305, 0.3625, 0.3183**, and the grayscale version is **73.8777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **43.3917, 0.2707, 0.3436** is the 20% darker color. If you saturate the color by 10%, you get **77.2647, 0.2675, 0.3448**, and if you desaturate by 10%, it is **83.4733, 0.2904, 0.3357**.

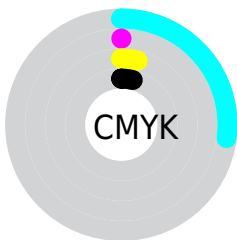
Distribution



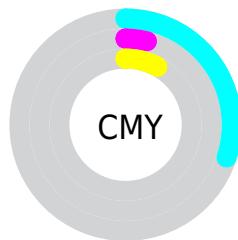
- Red (70%)
- Green (96%)
- Blue (92%)



- Red (70%)
- Yellow (84%)
- Blue (96%)



- Cyan (27%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (30%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1069, 0.2784, 0.3401 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 80.1069, 0.2784, 0.3401 by changing the saturation by 10% instead.


 80.1069, 0.2784,
0.3401

 80.1069, 0.2784,
0.3401

495.2930, 0.2939,
0.3352

 59.8063, 0.2749,
0.3412


 133.5160, 0.2837,
0.3384

 43.2625, 0.2707,
0.3425


167.3934, 0.2858,
0.3378

 30.0912, 0.2654,
0.3441


206.5651, 0.2876,
0.3372

 19.9078, 0.2586,
0.3462

251.4155, 0.2892,
0.3367

 12.3280, 0.2494,
0.3490

302.3292, 0.2906,
0.3362

 6.9675, 0.2367,
0.3527

359.6904, 0.2918,

 3.4418, 0.2175,

0.3358

0.3582

423.8835, 0.2929,
0.3355

■ 1.3665, 0.1839,
0.3675

■ 0.1918, 0.0000,
0.3618

■ 80.1069, 0.2784,
0.3401

■ 80.1069, 0.2784,
0.3401

■ 77.2647, 0.2675,
0.3448

■ 83.4733, 0.2904,
0.3357

■ 74.9099, 0.2581,
0.3499

■ 87.3795, 0.3033,
0.3316


■ 73.0158, 0.2503,
0.3551

■ 91.8522, 0.3168,
0.3279

■ 71.5496, 0.2444,
0.3604


■ 92.7822, 0.3170,
0.3244


 70.4738, 0.2405,
0.3659

 93.0147, 0.3147,
0.3209

 69.7445, 0.2385,
0.3713

 93.1762, 0.3132,
0.3185

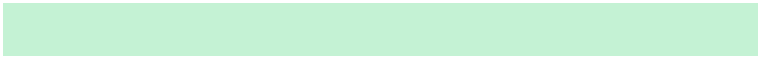
 69.3056, 0.2383,
0.3767

 69.2046, 0.2384,
0.3783

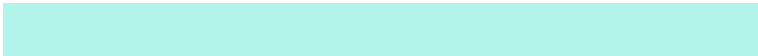
Harmonies

Analogous

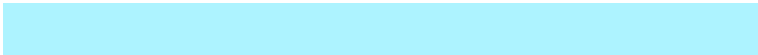
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1069, 0.3011, 0.3626



80.1069, 0.2784, 0.3401



80.1069, 0.2650, 0.3152

Triad

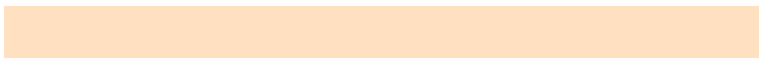
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1069, 0.2784, 0.3401



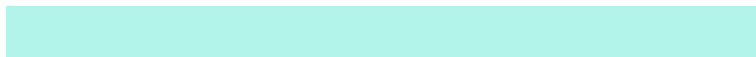
80.1069, 0.2963, 0.2872



80.1069, 0.3639, 0.3599

Complementary

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



80.1069, 0.2784, 0.3401



54.7305, 0.3625, 0.3183

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.



80.1069, 0.3629, 0.3393



80.1069, 0.2784, 0.3401



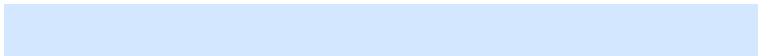
80.1069, 0.3229, 0.2985

Square

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



80.1069, 0.2784, 0.3401



80.1069, 0.2750, 0.2859



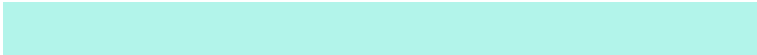
80.1069, 0.3476, 0.3172



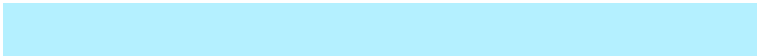
80.1069, 0.3508, 0.3735

Rectangle

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



80.1069, 0.2784, 0.3401



80.1069, 0.2628, 0.3013



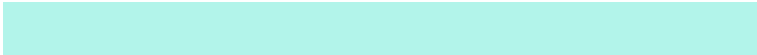
80.1069, 0.3476, 0.3172



80.1069, 0.3653, 0.3536

Sweetspot

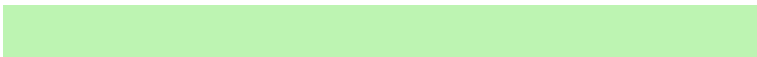
The Sweet Spot groups the original color and five complimentary colors.



80.1102, 0.2784, 0.3401



96.1369, 0.3020, 0.3320



78.7386, 0.3160, 0.4054



20.4314, 0.3000, 0.3326



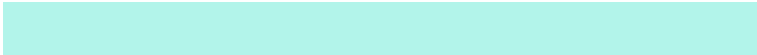
0.0000, 0.0000, 0.0000



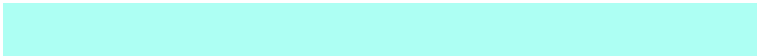
21.4041, 0.3127, 0.3290

Same Dimension

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



80.1102, 0.2784, 0.3401



86.9000, 0.2727, 0.3425



68.2546, 0.2708, 0.3039



18.7122, 0.3001, 0.3326



37.6491, 0.2382, 0.3774



3.3204, 0.2363, 0.3706

Inverse Universe

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



54.7305, 0.3625, 0.3183



54.8352, 0.3754, 0.3162



63.7756, 0.3652, 0.3528



16.5234, 0.3270, 0.3254



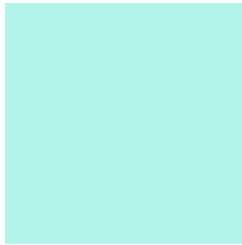
10.5425, 0.6192, 0.3185



0.9386, 0.5890, 0.3018

Previews

White Background



This preview shows how the Yxy color 80.1069, 0.2784, 0.3401 looks on a white background.

Color Contrast Check

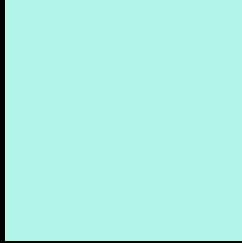
Large Text (above 18pt) WCAG AA × Fail

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 80.1069, 0.2784, 0.3401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

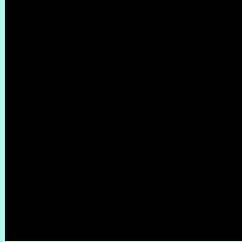
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

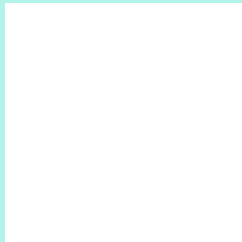
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1069, 0.2784, 0.3401

Background



This preview shows how black text looks on a background with the Yxy color 80.1069, 0.2784, 0.3401.

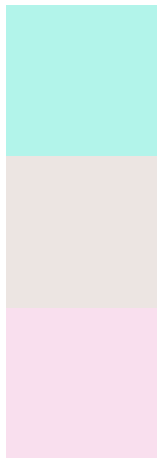


This preview shows how white text looks on a background with the Yxy color 80.1069, 0.2784, 0.3401.

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

80.1069, 0.2784, 0.3401

Protanopia

79.3625, 0.3195, 0.3321

Deuteranopia

79.0881, 0.3212, 0.3140



Tritanopia

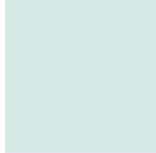
80.1595, 0.2747, 0.3117

Trichromacy



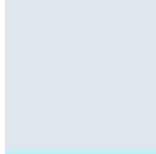
Original Color

80.1069, 0.2784, 0.3401



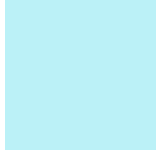
Protanomaly

78.9499, 0.3032, 0.3343



Deuteranomaly

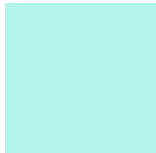
78.9542, 0.3036, 0.3227



Tritanomaly

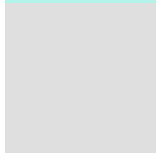
80.1908, 0.2763, 0.3223

Monochromacy



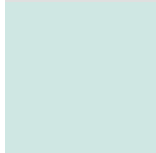
Original Color

80.1069, 0.2784, 0.3401



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

75.9633, 0.2992, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1069, 0.2784, 0.3401 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(178, 244, 234)` looks like.

```
.text, #text, p{  
    color:rgb(178, 244, 234)  
}
```

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(178, 244, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 244, 234) }
```

Border

The CSS property to change the border of an element to Yxy 80.1069, 0.2784, 0.3401 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(178, 244, 234) }
```

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

```
.border{ border-color:rgb(178, 244, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 244, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 244, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 244, 234);  
box-shadow:4px 4px 4px 4px rgb(178, 244,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1069, 0.2784, 0.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 244, 234) }
```

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

```
.background{ background-color: rgb(178,  
244, 234) }
```

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