

Converting Colors

$Yxy(81.7403, 0.2891, 0.3474)$

Have a look what the booklet for
Yxy(81.7403, 0.2891, 0.3474)
contains.

Yxy(81.9826, 0.2890, 0.3477)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.9826, 0.2890, 0.3477)

Conversions

Conversions Part 1

Format	Color
Hex	BFF5E4
RGB	191, 245, 228
RGB Percent	75%, 96%, 89%
CMY	0.2511, 0.0392, 0.1057
CMYK	0.22, 0.00, 0.07, 0.04
HSL	161°, 73%, 85%
HSV	161°, 22%, 96%
XYZ	68.1420, 81.9826, 85.6609
YIQ	226.9160, -26.7270, -16.7350

Conversions

Conversions Part 2

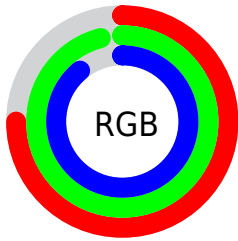
Format	Color
R_{YB}	191, 223, 245
Decimal	12580324
CIE _{Lab}	92.57, -20.46, 2.55
CIE _{LCh}	93, 20.618, 172.884
Yxy	81.9826, 0.2890, 0.3477
Android (android.graphics.Color)	4290770404 (0xFFBFF5E4)
YUV	226.9160, 0.5344, -31.4983
Hunter-Lab	90.5442, -24.1165, 7.2887

Details

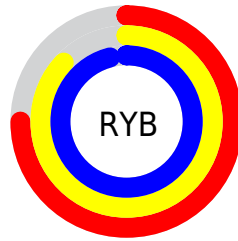
The Yxy color **81.9826, 0.2890, 0.3477** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.2173, 0.3439, 0.3111**, and the grayscale version is **76.7631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **44.7307, 0.2838, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **78.6532, 0.2793, 0.3575**, and if you desaturate by 10%, it is **85.8691, 0.2995, 0.3387**.

Distribution



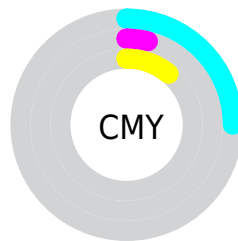
- Red (75%)
- Green (96%)
- Blue (89%)



- Red (75%)
- Yellow (87%)
- Blue (96%)



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)





- Cyan (25%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.9826, 0.2890, 0.3477 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 81.9826, 0.2890, 0.3477 by changing the saturation by 10% instead.

 81.9826, 0.2890,
0.3477

 81.9826, 0.2890,
0.3477

501.5895, 0.2998,
0.3391

 61.3512, 0.2866,
0.3496


 136.1496, 0.2927,
0.3447

 44.5087, 0.2836,
0.3520


170.4540, 0.2942,
0.3436

 31.0706, 0.2799,
0.3550


210.0848, 0.2954,
0.3426

 20.6526, 0.2751,
0.3589

255.4265, 0.2965,
0.3417

 12.8703, 0.2686,
0.3642

306.8634, 0.2975,
0.3410

 7.3393, 0.2595,
0.3717

364.7799, 0.2983,

 3.6752, 0.2457,

0.3403

429.5605, 0.2991,
0.3397

0.3833

1.4936, 0.2222,
0.4034

0.2842, 0.0000,
0.6847

81.9826, 0.2890,
0.3477

81.9826, 0.2890,
0.3477

78.6532, 0.2793,
0.3575

85.8691, 0.2995,
0.3387

75.8440, 0.2707,
0.3681


90.3273, 0.3104,
0.3306


73.5296, 0.2635,
0.3793


93.5412, 0.3155,
0.3231


71.6781, 0.2579,
0.3911

93.7886, 0.3132,
0.3194

 70.2539, 0.2543,
0.4031

 69.2161, 0.2527,
0.4153

 68.5153, 0.2532,
0.4273

 68.1386, 0.2547,
0.4368

Harmonies

Analogous

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



81.9826, 0.3116, 0.3650



81.9826, 0.2890, 0.3477



81.9826, 0.2730, 0.3253

Triad

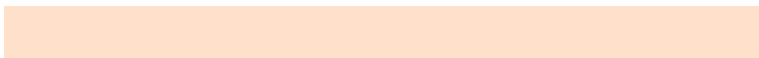
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.9826, 0.2890, 0.3477



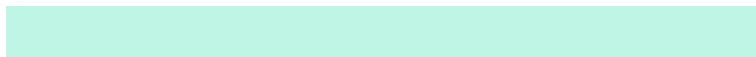
81.9826, 0.2895, 0.2894



81.9826, 0.3602, 0.3503

Complementary

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



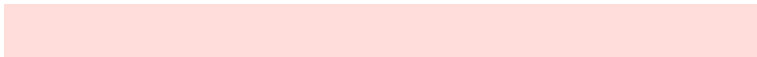
81.9826, 0.2890, 0.3477



61.2173, 0.3439, 0.3111

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.



81.9826, 0.3539, 0.3305



81.9826, 0.2890, 0.3477



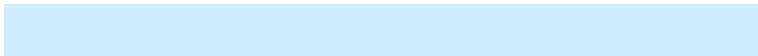
81.9826, 0.3124, 0.2963

Square

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



81.9826, 0.2890, 0.3477



81.9826, 0.2733, 0.2923



81.9826, 0.3362, 0.3111



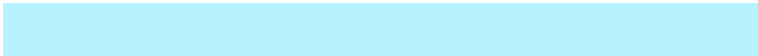
81.9826, 0.3532, 0.3656

Rectangle

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



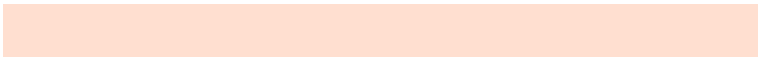
81.9826, 0.2890, 0.3477



81.9826, 0.2680, 0.3112



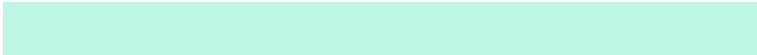
81.9826, 0.3362, 0.3111



81.9826, 0.3596, 0.3439

Sweetspot

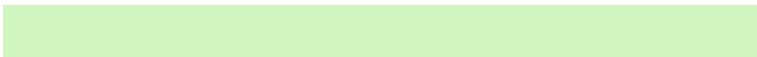
The Sweet Spot groups the original color and five complimentary colors.



81.9860, 0.2890, 0.3477



96.4146, 0.3049, 0.3345



82.4918, 0.3209, 0.3888



20.5737, 0.3043, 0.3350



0.0000, 0.0000, 0.0000



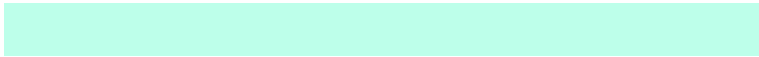
21.4041, 0.3127, 0.3290

Same Dimension

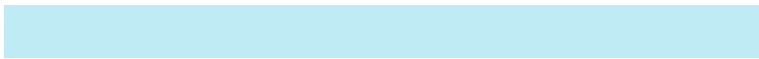
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9860, 0.2890, 0.3477



88.2515, 0.2850, 0.3515



77.1412, 0.2791, 0.3180



18.6641, 0.3022, 0.3365



36.7317, 0.2541, 0.4348



3.2469, 0.2500, 0.4199

Inverse Universe

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



61.2173, 0.3439, 0.3111



62.1554, 0.3512, 0.3077



64.8935, 0.3555, 0.3397



16.5682, 0.3244, 0.3216



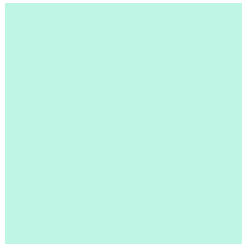
10.7680, 0.5714, 0.2921



0.9642, 0.5360, 0.2727

Previews

White Background



This preview shows how the Yxy color 81.9826, 0.2890, 0.3477 looks on a white background.

Color Contrast Check

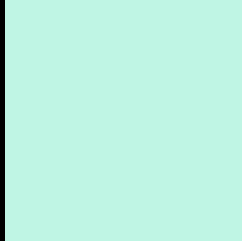
Large Text (above 18pt) WCAG AA × Fail

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 81.9826, 0.2890, 0.3477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

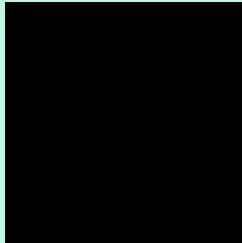
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

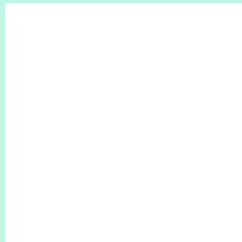
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.9826, 0.2890, 0.3477

Background



This preview shows how black text looks on a background with the Yxy color 81.9826, 0.2890, 0.3477.

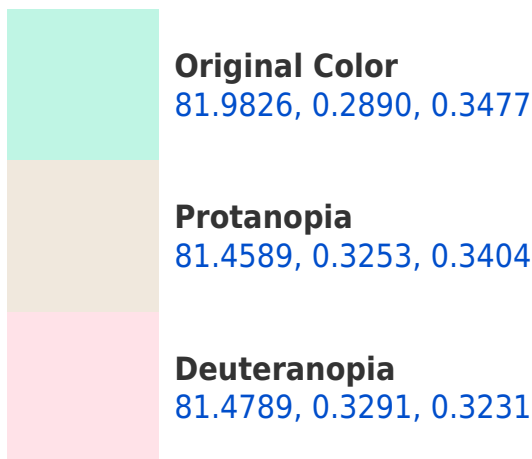


This preview shows how white text looks on a background with the Yxy color 81.9826, 0.2890, 0.3477.

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

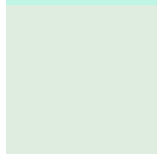
81.7904, 0.2816, 0.3120

Trichromacy



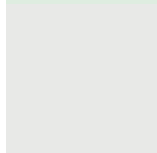
Original Color

81.9826, 0.2890, 0.3477



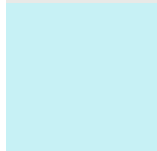
Protanomaly

81.4798, 0.3107, 0.3428



Deuteranomaly

81.2032, 0.3133, 0.3311



Tritanomaly

81.6453, 0.2842, 0.3246

Monochromacy



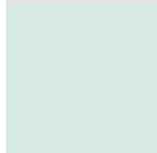
Original Color

81.9826, 0.2890, 0.3477



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

78.6878, 0.3037, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9826, 0.2890, 0.3477 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(191, 245, 228)` looks like.

```
.text, #text, p{  
    color:rgb(191, 245, 228)  
}
```

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(191, 245, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 245, 228) }
```

Border

The CSS property to change the border of an element to Yxy 81.9826, 0.2890, 0.3477 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(191, 245, 228) }
```

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

```
.border{ border-color:rgb(191, 245, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 245, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 245, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 245, 228); box-shadow:4px 4px 4px 4px rgb(191, 245, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9826, 0.2890, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 245, 228) }
```

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

```
.background{ background-color: rgb(191,  
245, 228) }
```

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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