

Converting Colors

$Yxy(81.0126, 0.2944, 0.3817)$

Have a look what the booklet for
Yxy(81.0126, 0.2944, 0.3817)
contains.

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Color

Yxy(80.6767, 0.2940, 0.3811)

Conversions

Conversions Part 1

Format	Color
Hex	B0F8CB
RGB	176, 248, 203
RGB Percent	69%, 97%, 80%
CMY	0.3101, 0.0274, 0.2040
CMYK	0.29, 0.00, 0.18, 0.03
HSL	143°, 84%, 83%
HSV	143°, 29%, 97%
XYZ	62.2381, 80.6767, 68.7795
YIQ	221.3420, -28.4670, -29.2590

Conversions

Conversions Part 2

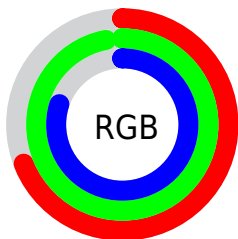
Format	Color
RYB	176, 228, 248
Decimal	11598027
CIELab	91.99, -31.28, 14.58
CIElCh	92, 34.509, 155.007
Yxy	80.6767, 0.2940, 0.3811
Android (android.graphics.Color)	4289788107 (0xFFB0F8CB)
YUV	221.3420, -9.0426, -39.7649
Hunter-Lab	89.8202, -33.4993, 17.4731

Details

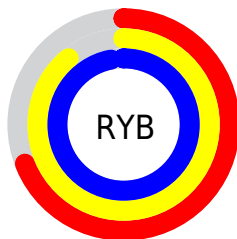
The Yxy color **80.6767, 0.2940, 0.3811** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.2037, 0.3378, 0.2822**, and the grayscale version is **72.6306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **43.4965, 0.2888, 0.3933** is the 20% darker color. If you saturate the color by 10%, you get **77.3474, 0.2884, 0.4028**, and if you desaturate by 10%, it is **84.6146, 0.3002, 0.3613**.

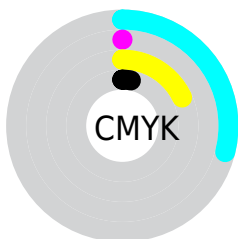
Distribution



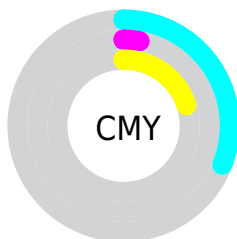
- Red (69%)
- Green (97%)
- Blue (80%)



- Red (69%)
- Yellow (89%)
- Blue (97%)



- Cyan (29%)
- Magenta (0%)
- Yellow (18%)
- Black (3%)




- Cyan (31%)
- Magenta (3%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.6767, 0.2940, 0.3811 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 80.6767, 0.2940, 0.3811 by changing the saturation by 10% instead.

 80.6767, 0.2940,
0.3811

 80.6767, 0.2940,
0.3811


497.2104, 0.3029,
0.3565

 60.2754, 0.2919,
0.3868


 134.3167, 0.2972,
0.3725

 43.6406, 0.2892,
0.3940


168.3242, 0.2984,
0.3692

 30.3881, 0.2858,
0.4031

207.6358, 0.2994,
0.3663

 20.1333, 0.2813,
0.4152

252.6361, 0.3003,
0.3638

 12.4920, 0.2749,
0.4320

303.7092, 0.3011,
0.3617

 7.0797, 0.2654,
0.4566


361.2397, 0.3018,


 3.5120, 0.2498,

0.3597

0.4963

425.6120, 0.3024,
0.3580

 1.4045, 0.2138,
0.6033


 0.2200, 0.0000,
1.0000


 80.6767, 0.2940,
0.3811


 80.6767, 0.2940,
0.3811

 77.3474, 0.2884,
0.4028

 84.6146, 0.3002,
0.3613

 74.5857, 0.2837,
0.4261

 89.1798, 0.3067,
0.3435

 72.3611, 0.2803,
0.4504

 94.4024, 0.3133,
0.3276

 70.6362, 0.2785,
0.4750

 95.6267, 0.3130,
0.3223

■ 69.3683, 0.2785,
0.4990

■ 68.5073, 0.2804,
0.5214

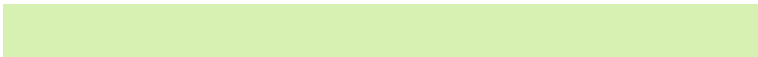
■ 67.9791, 0.2839,
0.5413

■ 67.9381, 0.2842,
0.5431

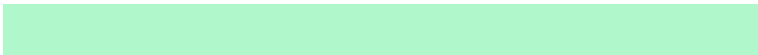
Harmonies

Analogous

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



80.6767, 0.3339, 0.4002



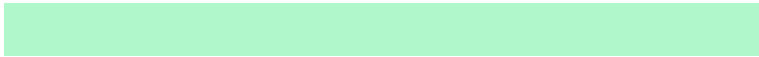
80.6767, 0.2940, 0.3811



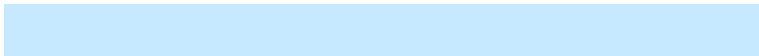
80.6767, 0.2606, 0.3451

Triad

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



80.6767, 0.2940, 0.3811



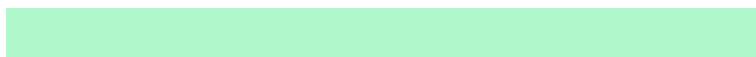
80.6767, 0.2564, 0.2646



80.6767, 0.3896, 0.3435

Complementary

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



80.6767, 0.2940, 0.3811



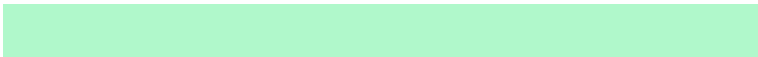
56.2037, 0.3378, 0.2822

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.



80.6767, 0.3662, 0.3112



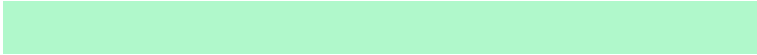
80.6767, 0.2940, 0.3811



80.6767, 0.2879, 0.2673

Square

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



80.6767, 0.2940, 0.3811



80.6767, 0.2401, 0.2779



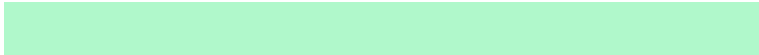
80.6767, 0.3282, 0.2841



80.6767, 0.3905, 0.3746

Rectangle

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



80.6767, 0.2940, 0.3811



80.6767, 0.2459, 0.3188



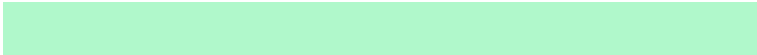
80.6767, 0.3282, 0.2841



80.6767, 0.3841, 0.3325

Sweetspot

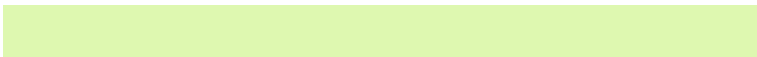
The Sweet Spot groups the original color and five complimentary colors.



80.6801, 0.2940, 0.3811



95.0148, 0.3067, 0.3434



85.7433, 0.3384, 0.4064



20.1761, 0.3058, 0.3458



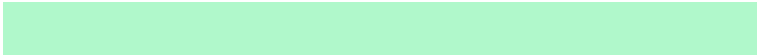
0.0000, 0.0000, 0.0000



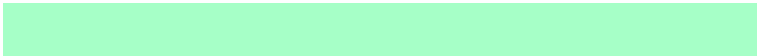
21.4041, 0.3127, 0.3290

Same Dimension

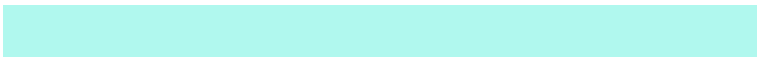
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6801, 0.2940, 0.3811



83.7346, 0.2906, 0.3939



82.5662, 0.2754, 0.3396



19.4170, 0.3064, 0.3442



36.7187, 0.2834, 0.5401



3.4206, 0.2767, 0.5162

Inverse Universe

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



56.2037, 0.3378, 0.2822



53.6894, 0.3446, 0.2723



54.5107, 0.3688, 0.3189



17.4076, 0.3196, 0.3143



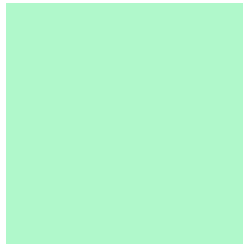
12.0860, 0.4442, 0.2221



1.1399, 0.4255, 0.2117

Previews

White Background



This preview shows how the Yxy color 80.6767, 0.2940, 0.3811 looks on a white background.

Color Contrast Check

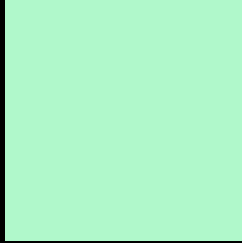
Large Text (above 18pt) WCAG AA × Fail

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 80.6767, 0.2940, 0.3811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

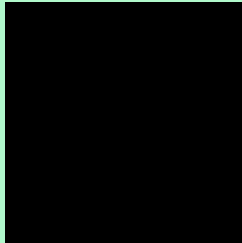
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

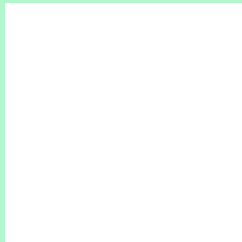
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6767, 0.2940, 0.3811

Background



This preview shows how black text looks on a background with the Yxy color 80.6767, 0.2940, 0.3811.

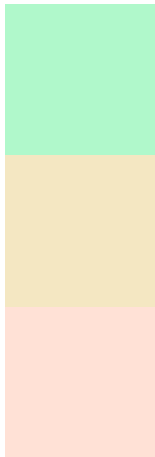


This preview shows how white text looks on a background with the Yxy color 80.6767, 0.2940, 0.3811.

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

80.6767, 0.2940, 0.3811

Protanopia

80.2800, 0.3462, 0.3675

Deuteranopia

79.9655, 0.3416, 0.3401



Tritanopia

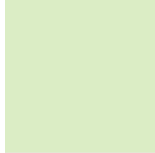
80.5551, 0.2764, 0.3118

Trichromacy



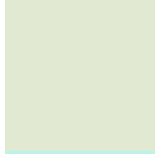
Original Color

80.6767, 0.2940, 0.3811



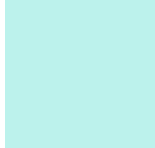
Protanomaly

79.6597, 0.3255, 0.3726



Deuteranomaly

79.0997, 0.3225, 0.3536



Tritanomaly

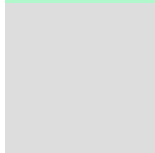
80.2518, 0.2828, 0.3355

Monochromacy



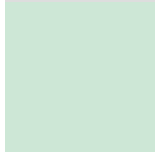
Original Color

80.6767, 0.2940, 0.3811



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.9860, 0.3058, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6767, 0.2940, 0.3811 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(176, 248, 203)` looks like.

```
.text, #text, p{  
    color:rgb(176, 248, 203)  
}
```

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(176, 248, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 248, 203) }
```

Border

The CSS property to change the border of an element to Yxy 80.6767, 0.2940, 0.3811 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(176, 248, 203) }
```

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

```
.border{ border-color:rgb(176, 248, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 248, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 248, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 248, 203);  
box-shadow:4px 4px 4px 4px rgb(176, 248,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6767, 0.2940, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 248, 203) }
```

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

```
.background{ background-color: rgb(176,  
248, 203) }
```

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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