

Converting Colors

$Yxy(80.8998, 0.2815, 0.3800)$

Have a look what the booklet for
Yxy(80.8998, 0.2815, 0.3800)
contains.

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Color

Yxy(80.7165, 0.2812, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	9DFBD0
RGB	157, 251, 208
RGB Percent	62%, 98%, 82%
CMY	0.3845, 0.0156, 0.1844
CMYK	0.37, 0.00, 0.17, 0.02
HSL	153°, 92%, 80%
HSV	153°, 37%, 98%
XYZ	59.7774, 80.7165, 72.0858
YIQ	217.9920, -42.2210, -33.3010

Conversions

Conversions Part 2

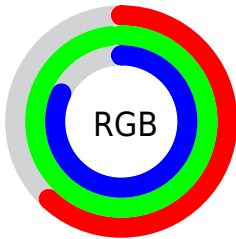
Format	Color
RYB	157, 218, 251
Decimal	10353616
CIELab	92.01, -37.15, 11.90
CIElCh	92, 39.014, 162.234
Yxy	80.7165, 0.2812, 0.3797
Android (android.graphics.Color)	4288543696 (0xFF9DFBD0)
YUV	217.9920, -4.9261, -53.4900
Hunter-Lab	89.8424, -38.4576, 15.3178

Details

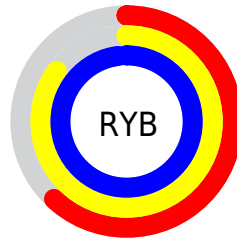
The Yxy color **80.7165, 0.2812, 0.3797** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.7807, 0.3624, 0.2839**, and the grayscale version is **70.1554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **43.6834, 0.2733, 0.3915** is the 20% darker color. If you saturate the color by 10%, you get **77.9049, 0.2747, 0.3962**, and if you desaturate by 10%, it is **84.0941, 0.2888, 0.3644**.

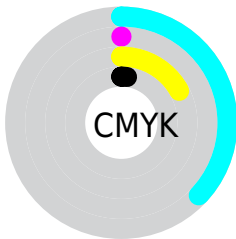
Distribution



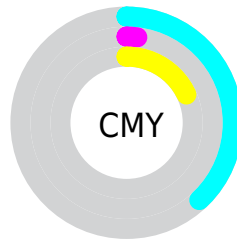
- Red (62%)
- Green (98%)
- Blue (82%)



- Red (62%)
- Yellow (85%)
- Blue (98%)



- Cyan (37%)
- Magenta (0%)
- Yellow (17%)
- Black (2%)





- Cyan (38%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7165, 0.2812, 0.3797 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 80.7165, 0.2812, 0.3797 by changing the saturation by 10% instead.


 80.7165, 0.2812,
0.3797


 80.7165, 0.2812,
0.3797


497.3442, 0.2959,
0.3558

 60.3081, 0.2778,
0.3853


 134.3726, 0.2863,
0.3713

 43.6670, 0.2736,
0.3922


 168.3892, 0.2883,
0.3681

 30.4088, 0.2683,
0.4010

207.7106, 0.2900,
0.3653

 20.1491, 0.2613,
0.4128

252.7212, 0.2915,
0.3629

 12.5035, 0.2516,
0.4290

303.8055, 0.2928,
0.3608

 7.0875, 0.2377,
0.4528


361.3479, 0.2940,


 3.5169, 0.2158,


0.3589


0.4912


425.7326, 0.2950,
0.3573

 1.4072, 0.1498,
0.5917


 0.2220, 0.0000,
1.0000


 80.7165, 0.2812,
0.3797


 80.7165, 0.2812,
0.3797


 77.9049, 0.2747,
0.3962


 84.0941, 0.2888,
0.3644


 75.6167, 0.2696,
0.4136

 88.0581, 0.2971,
0.3503

 73.8188, 0.2663,
0.4317

 92.6395, 0.3060,
0.3376

 72.4698, 0.2650,
0.4499

 97.4139, 0.3135,
0.3262

■ 71.5213, 0.2657,
0.4678

■ 97.4834, 0.3129,
0.3252

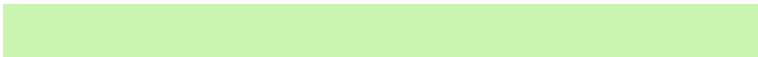
■ 70.9101, 0.2684,
0.4849

■ 70.7853, 0.2692,
0.4892

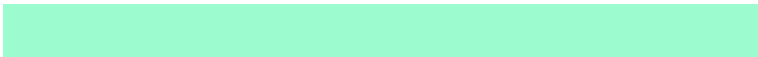
Harmonies

Analogous

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



80.7165, 0.3253, 0.4073



80.7165, 0.2812, 0.3797



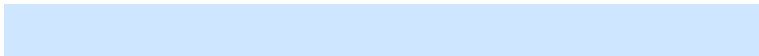
80.7165, 0.2472, 0.3360

Triad

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



80.7165, 0.2812, 0.3797



80.7165, 0.2565, 0.2560



80.7165, 0.4025, 0.3535

Complementary

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



80.7165, 0.2812, 0.3797



48.7807, 0.3624, 0.2839

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.



80.7165, 0.3817, 0.3171



80.7165, 0.2812, 0.3797



80.7165, 0.2949, 0.2633

Square

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



80.7165, 0.2812, 0.3797



80.7165, 0.2340, 0.2661



80.7165, 0.3411, 0.2851



80.7165, 0.3968, 0.3870

Rectangle

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



80.7165, 0.2812, 0.3797



80.7165, 0.2340, 0.3069



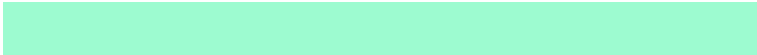
80.7165, 0.3411, 0.2851



80.7165, 0.3983, 0.3413

Sweetspot

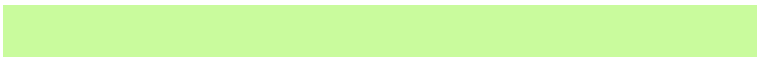
The Sweet Spot groups the original color and five complimentary colors.



80.7198, 0.2812, 0.3797



94.2635, 0.3028, 0.3419



83.8329, 0.3347, 0.4341



20.0369, 0.3016, 0.3437



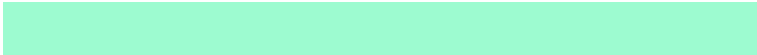
0.0000, 0.0000, 0.0000



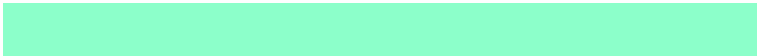
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7198, 0.2812, 0.3797



81.4048, 0.2762, 0.3921



81.1901, 0.2598, 0.3253



19.4667, 0.3042, 0.3401



37.2326, 0.2684, 0.4864



3.4698, 0.2628, 0.4660

Inverse Universe

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



48.7807, 0.3624, 0.2839



43.9288, 0.3771, 0.2749



48.1178, 0.4041, 0.3326



17.3573, 0.3222, 0.3182



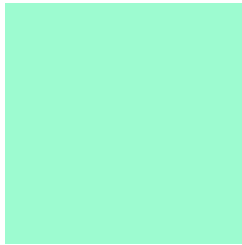
11.4580, 0.5142, 0.2606



1.0823, 0.4852, 0.2447

Previews

White Background



This preview shows how the Yxy color 80.7165, 0.2812, 0.3797 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 80.7165, 0.2812, 0.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

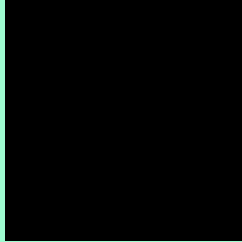
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

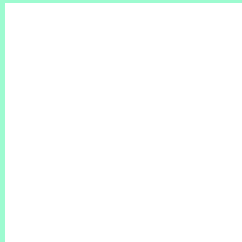
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7165, 0.2812, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 80.7165, 0.2812, 0.3797.

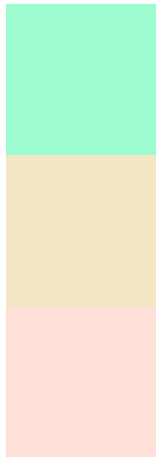


This preview shows how white text looks on a background with the Yxy color 80.7165, 0.2812, 0.3797.

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

80.7165, 0.2812, 0.3797

Protanopia

79.6795, 0.3436, 0.3634

Deuteranopia

79.5811, 0.3397, 0.3361



Tritanopia

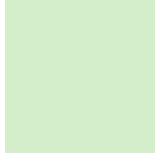
80.2315, 0.2726, 0.3127

Trichromacy



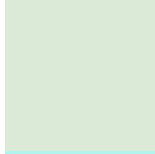
Original Color

80.7165, 0.2812, 0.3797



Protanomaly

79.3632, 0.3181, 0.3698



Deuteranomaly

78.7607, 0.3151, 0.3506



Tritanomaly

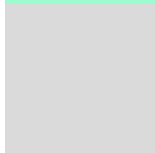
80.2215, 0.2758, 0.3356

Monochromacy



Original Color

80.7165, 0.2812, 0.3797



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.1844, 0.2998, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7165, 0.2812, 0.3797 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(157, 251, 208)` looks like.

```
.text, #text, p{  
    color:rgb(157, 251, 208)  
}
```

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(157, 251, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 251, 208) }
```

Border

The CSS property to change the border of an element to Yxy 80.7165, 0.2812, 0.3797 is called "border". The border property can be set on classes, ids or directly on the HTML element.

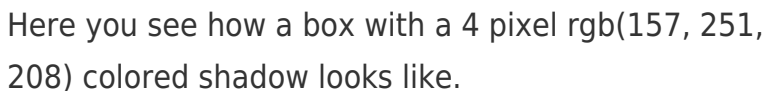
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 251, 208) }
```

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

```
.border{ border-color:rgb(157, 251, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 251, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 251, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 251, 208);  
box-shadow:4px 4px 4px 4px rgb(157, 251,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7165, 0.2812, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 251, 208) }
```

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

```
.background{ background-color: rgb(157,  
251, 208) }
```

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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