

Converting Colors

$Yxy(80.2767, 0.2692, 0.3821)$

Have a look what the booklet for
Yxy(80.2767, 0.2692, 0.3821)
contains.

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Color

Yxy(80.5233, 0.2692, 0.3820)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 85FED2 |
| RGB | 133, 254, 210 |
| RGB Percent | 52%, 100%, 82% |
| CMY | 0.4785, 0.0039, 0.1765 |
| CMYK | 0.48, 0.00, 0.17, 0.00 |
| HSL | 158°, 98%, 76% |
| HSV | 158°, 48%, 100% |
| XYZ | 56.7457, 80.5233, 73.5249 |
| YIQ | 212.8050, -57.9920, -39.3360 |

Conversions

Conversions Part 2

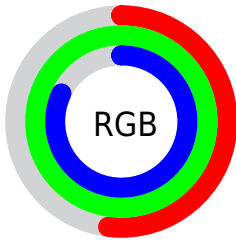
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 133, 207, 254 |
| Decimal | 8781522 |
| CIELab | 91.92, -44.15, 10.60 |
| CIELCh | 92, 45.405, 166.495 |
| Yxy | 80.5233, 0.2692, 0.3820 |
| Android (android.graphics.Color) | 4286971602 (0xFF85FED2) |
| YUV | 212.8050, -1.3829, -69.9890 |
| Hunter-Lab | 89.7348, -44.1575, 14.2346 |

Details

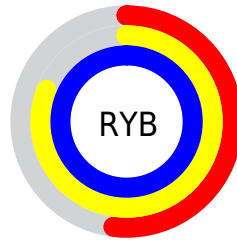
The Yxy color **80.5233, 0.2692, 0.3820** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **41.0177, 0.3953, 0.2835**, and the grayscale version is **66.4406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **43.7105, 0.2586, 0.3947** is the 20% darker color. If you saturate the color by 10%, you get **78.2561, 0.2633, 0.3956**, and if you desaturate by 10%, it is **83.3233, 0.2766, 0.3691**.

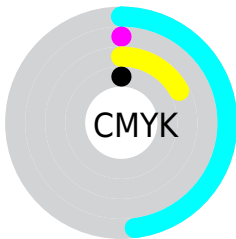
Distribution



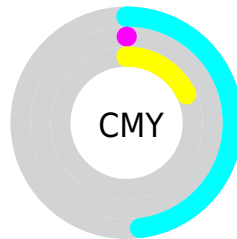
- Red (52%)
- Green (100%)
- Blue (82%)



- Red (52%)
- Yellow (81%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5233, 0.2692, 0.3820 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 80.5233, 0.2692, 0.3820 by changing the saturation by 10% instead.


 80.5233, 0.2692,
0.3820

 80.5233, 0.2692,
0.3820


496.6946, 0.2893,
0.3570

 60.1491, 0.2646,
0.3878


 134.1012, 0.2762,
0.3733

 43.5388, 0.2589,
0.3950


 168.0737, 0.2789,
0.3699

 30.3081, 0.2518,
0.4043


 207.3477, 0.2812,
0.3670

 20.0726, 0.2424,
0.4165

252.3076, 0.2833,
0.3645

 12.4478, 0.2297,
0.4333

303.3379, 0.2851,
0.3623

 7.0494, 0.2116,
0.4581

360.8229, 0.2867,

 3.4930, 0.1839,

0.3603

425.1470, 0.2881,
0.3586

0.4975

1.3942, 0.0778,
0.6153

0.2125, 0.0000,
1.0000

80.5233, 0.2692,
0.3820

80.5233, 0.2692,
0.3820

78.2561, 0.2633,
0.3956

83.3233, 0.2766,
0.3691

76.4749, 0.2593,
0.4096

86.6798, 0.2852,
0.3571

75.1409, 0.2572,
0.4239

90.6267, 0.2947,
0.3460

74.2045, 0.2572,
0.4381

95.1923, 0.3048,
0.3360

■ 73.6003, 0.2592,
0.4520

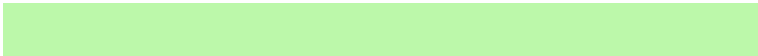
99.3677, 0.3128,
0.3281

■ 73.4838, 0.2598,
0.4553

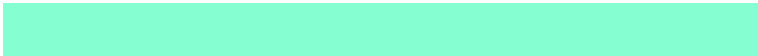
Harmonies

Analogous

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



80.5233, 0.3191, 0.4185



80.5233, 0.2692, 0.3820



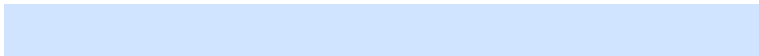
80.5233, 0.2329, 0.3291

Triad

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



80.5233, 0.2692, 0.3820



80.5233, 0.2530, 0.2452



80.5233, 0.4182, 0.3620

Complementary

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



80.5233, 0.2692, 0.3820



41.0177, 0.3953, 0.2835

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.



80.5233, 0.3983, 0.3204



80.5233, 0.2692, 0.3820



80.5233, 0.2991, 0.2563

Square

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



80.5233, 0.2692, 0.3820



80.5233, 0.2246, 0.2532



80.5233, 0.3531, 0.2830



80.5233, 0.4068, 0.4000

Rectangle

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



80.5233, 0.2692, 0.3820



80.5233, 0.2201, 0.2960



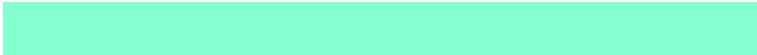
80.5233, 0.3531, 0.2830



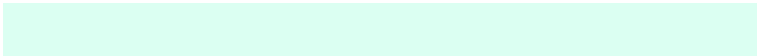
80.5233, 0.4151, 0.3481

Sweetspot

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



80.5265, 0.2692, 0.3820



93.0386, 0.2983, 0.3423



81.9704, 0.3311, 0.4689



19.7085, 0.2962, 0.3445



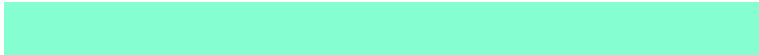
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.5265, 0.2692, 0.3820



79.0839, 0.2637, 0.3947



73.2155, 0.2460, 0.3100



20.3628, 0.3029, 0.3378



38.7687, 0.2592, 0.4530



3.7958, 0.2548, 0.4372

Inverse Universe

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



41.0177, 0.3953, 0.2835



34.9630, 0.4212, 0.2760



44.2991, 0.4366, 0.3462



18.0962, 0.3237, 0.3204



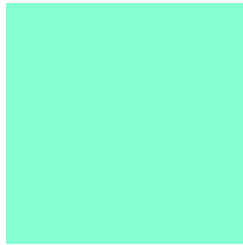
11.5452, 0.5530, 0.2820



1.1442, 0.5218, 0.2648

Previews

White Background



This preview shows how the Yxy color 80.5233, 0.2692, 0.3820 looks on a white background.

Color Contrast Check

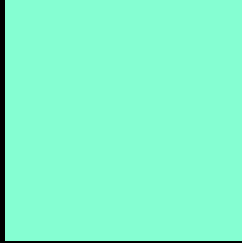
Large Text (above 18pt) WCAG AA × Fail

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 80.5233, 0.2692, 0.3820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

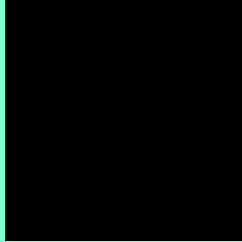
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

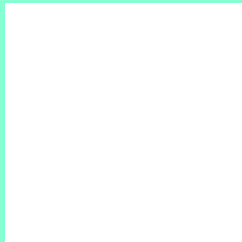
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5233, 0.2692, 0.3820

Background



This preview shows how black text looks on a background with the Yxy color 80.5233, 0.2692, 0.3820.

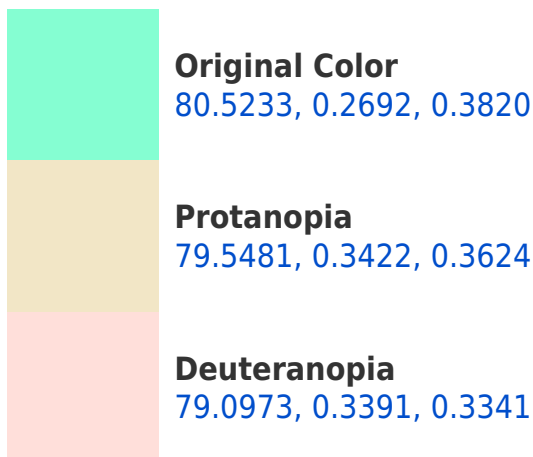


This preview shows how white text looks on a background with the Yxy color 80.5233, 0.2692, 0.3820.

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

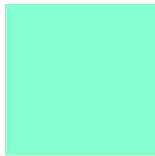




Tritanopia

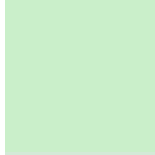
79.8339, 0.2684, 0.3136

Trichromacy



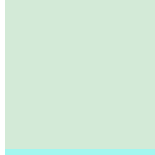
Original Color

80.5233, 0.2692, 0.3820



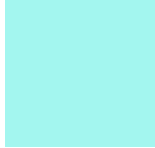
Protanomaly

78.5538, 0.3108, 0.3705



Deuteranomaly

77.6008, 0.3091, 0.3499



Tritanomaly

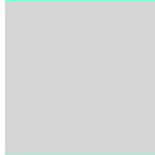
79.9301, 0.2682, 0.3368

Monochromacy



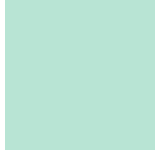
Original Color

80.5233, 0.2692, 0.3820



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.4306, 0.2932, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5233, 0.2692, 0.3820 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(133, 254, 210)` looks like.

```
.text, #text, p{  
    color:rgb(133, 254, 210)  
}
```

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(133, 254, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 254, 210) }
```

Border

The CSS property to change the border of an element to Yxy 80.5233, 0.2692, 0.3820 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(133, 254, 210) }
```

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

```
.border{ border-color:rgb(133, 254, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 254, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 254, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 254, 210);  
box-shadow:4px 4px 4px 4px rgb(133, 254,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5233, 0.2692, 0.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 254, 210) }
```

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

```
.background{ background-color: rgb(133,  
254, 210) }
```

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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