

Converting Colors

$Y_{xy}(100.0000, 0.2867, 0.4446)$

Have a look what the booklet for
Yxy(100.0000, 0.2867, 0.4446)
contains.

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Color

Yxy(80.2573, 0.2841, 0.4174)

Conversions

Conversions Part 1

Format	Color
Hex	89FFB7
RGB	137, 255, 183
RGB Percent	54%, 100%, 72%
CMY	0.4626, 0.0000, 0.2825
CMYK	0.46, 0.00, 0.28, 0.00
HSL	143°, 100%, 77%
HSV	143°, 46%, 100%
XYZ	54.6265, 80.2573, 57.3953
YIQ	211.5100, -47.2160, -47.4080

Conversions

Conversions Part 2

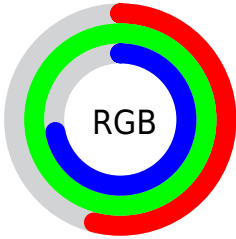
Format	Color
RYB	137, 222, 255
Decimal	9043895
CIELab	91.80, -48.94, 24.30
CIELCh	92, 54.646, 153.595
Yxy	80.2573, 0.2841, 0.4174
Android (android.graphics.Color)	4287233975 (0xFF89FFB7)
YUV	211.5100, -14.0554, -65.3453
Hunter-Lab	89.5864, -47.9336, 24.7252

Details

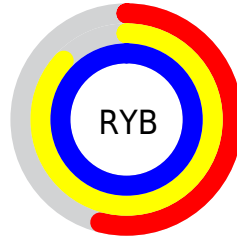
The Yxy color **80.2573, 0.2841, 0.4174** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.7712, 0.3608, 0.2559**, and the grayscale version is **65.6213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3541, 0.2860, 0.3460**, and **43.1639, 0.2760, 0.4390** is the 20% darker color. If you saturate the color by 10%, you get **77.7399, 0.2802, 0.4410**, and if you desaturate by 10%, it is **83.3609, 0.2892, 0.3950**.

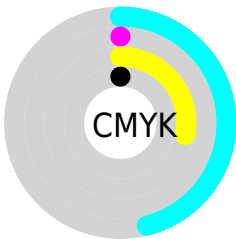
Distribution



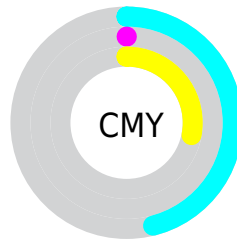
- Red (54%)
- Green (100%)
- Blue (72%)



- Red (54%)
- Yellow (87%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2573, 0.2841, 0.4174 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 80.2573, 0.2841, 0.4174 by changing the saturation by 10% instead.


 80.2573, 0.2841,
0.4174


 80.2573, 0.2841,
0.4174


495.7995, 0.2983,
0.3748

 59.9301, 0.2806,
0.4275


 133.7274, 0.2892,
0.4023

 43.3623, 0.2762,
0.4402


 167.6391, 0.2912,
0.3965

 30.1695, 0.2704,
0.4566


206.8478, 0.2928,
0.3916

 19.9673, 0.2625,
0.4786

251.7379, 0.2942,
0.3873

 12.3713, 0.2511,
0.5092

302.6937, 0.2954,
0.3836

 6.9970, 0.2337,
0.5546


360.0996, 0.2965,


 3.4603, 0.2042,

0.3803

0.6274


424.3401, 0.2975,
0.3774


 1.3765, 0.0329,
0.9671


 0.1993, 0.0000,
1.0000

 80.2573, 0.2841,
0.4174

 80.2573, 0.2841,
0.4174


 77.7399, 0.2802,
0.4410


 83.3609, 0.2892,
0.3950


 75.7620, 0.2778,
0.4651

 87.0780, 0.2952,
0.3743

 74.2826, 0.2773,
0.4890

 91.4433, 0.3017,
0.3555

 73.2509, 0.2786,
0.5117

 96.4869, 0.3084,
0.3386

■ 72.6039, 0.2817,
0.5322

100.0000, 0.3127,
0.3290

■ 72.4263, 0.2831,
0.5393

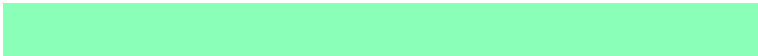
Harmonies

Analogous

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



80.2573, 0.3459, 0.4453



80.2573, 0.2841, 0.4174



80.2573, 0.2331, 0.3567

Triad

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



80.2573, 0.2841, 0.4174



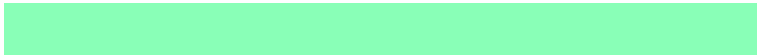
80.2573, 0.2245, 0.2311



80.2573, 0.4342, 0.3452

Complementary

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



80.2573, 0.2841, 0.4174



43.7712, 0.3608, 0.2559

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.



80.2573, 0.3951, 0.2980



80.2573, 0.2841, 0.4174



80.2573, 0.2703, 0.2353

Square

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



80.2573, 0.2841, 0.4174



80.2573, 0.2020, 0.2497



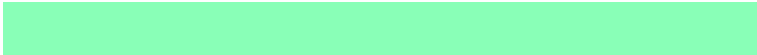
80.2573, 0.3327, 0.2592



80.2573, 0.4356, 0.3933

Rectangle

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



80.2573, 0.2841, 0.4174



80.2573, 0.2113, 0.3130



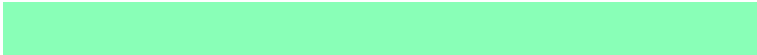
80.2573, 0.3327, 0.2592



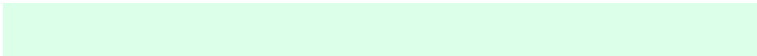
80.2573, 0.4250, 0.3290

Sweetspot

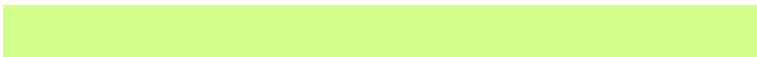
The Sweet Spot groups the original color and five complimentary colors.



80.2599, 0.2841, 0.4174



92.5213, 0.3032, 0.3515



86.9974, 0.3502, 0.4561



19.5826, 0.3017, 0.3553



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.



80.2599, 0.2841, 0.4174



77.7976, 0.2803, 0.4404



83.2073, 0.2568, 0.3447



20.2853, 0.3062, 0.3439



37.8714, 0.2823, 0.5362



3.7081, 0.2760, 0.5135

Inverse Universe

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



43.7712, 0.3608, 0.2559



37.0346, 0.3756, 0.2423



41.3923, 0.4244, 0.3150



18.1735, 0.3198, 0.3146



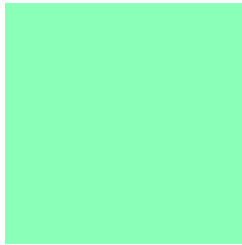
12.3881, 0.4501, 0.2253



1.2276, 0.4313, 0.2150

Previews

White Background



This preview shows how the Yxy color 80.2573, 0.2841, 0.4174 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 80.2573, 0.2841, 0.4174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

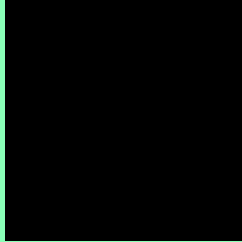
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

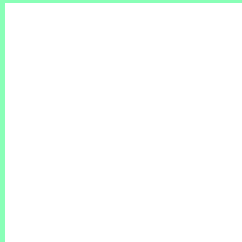
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2573, 0.2841, 0.4174

Background



This preview shows how black text looks on a background with the Yxy color 80.2573, 0.2841, 0.4174.

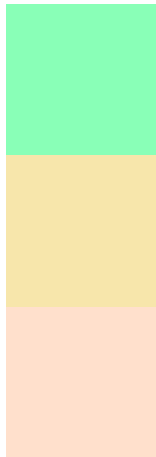


This preview shows how white text looks on a background with the Yxy color 80.2573, 0.2841, 0.4174.

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

80.2573, 0.2841, 0.4174

Protanopia

79.3081, 0.3641, 0.3902

Deuteranopia

78.9309, 0.3488, 0.3494



Tritanopia

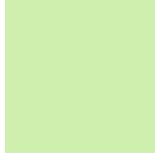
79.4853, 0.2693, 0.3125

Trichromacy



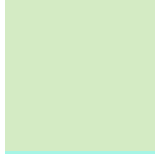
Original Color

80.2573, 0.2841, 0.4174



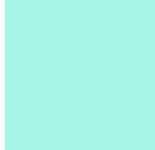
Protanomaly

78.0935, 0.3305, 0.4012



Deuteranomaly

77.3992, 0.3215, 0.3724



Tritanomaly

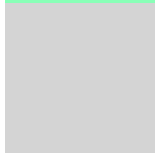
79.0689, 0.2746, 0.3473

Monochromacy



Original Color

80.2573, 0.2841, 0.4174



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.0181, 0.3005, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2573, 0.2841, 0.4174 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(137, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 183)  
}
```

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(137, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 183) }
```

Border

The CSS property to change the border of an element to Yxy 80.2573, 0.2841, 0.4174 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(137, 255, 183) }
```

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

```
.border{ border-color:rgb(137, 255, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2573, 0.2841, 0.4174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 183) }
```

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

```
.background{ background-color: rgb(137,  
255, 183) }
```

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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