

Converting Colors

Yxy(81.8624, 0.2902, 0.4109)

Have a look what the booklet for
Yxy(81.8624, 0.2902, 0.4109)
contains.

Yxy(81.8802, 0.2900, 0.4104)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.8802, 0.2900, 0.4104)

Conversions

Conversions Part 1

Format	Color
Hex	99FFBB
RGB	153, 255, 187
RGB Percent	60%, 100%, 73%
CMY	0.4002, 0.0000, 0.2666
CMYK	0.40, 0.00, 0.27, 0.00
HSL	140°, 100%, 80%
HSV	140°, 40%, 100%
XYZ	57.8588, 81.8802, 59.7741
YIQ	216.7500, -38.9640, -42.7720

Conversions

Conversions Part 2

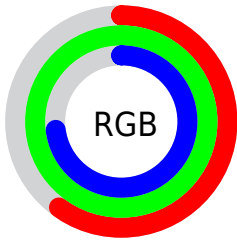
Format	Color
RYB	153, 230, 255
Decimal	10092475
CIELab	92.52, -44.01, 23.34
CIELCh	93, 49.821, 152.059
Yxy	81.8802, 0.2900, 0.4104
Android (android.graphics.Color)	4288282555 (0xFF99FFBB)
YUV	216.7500, -14.6668, -55.9088
Hunter-Lab	90.4877, -44.2186, 24.1757

Details

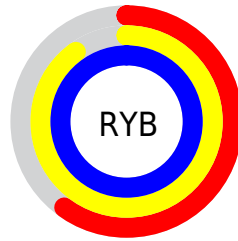
The Yxy color **81.8802, 0.2900, 0.4104** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.2398, 0.3469, 0.2601**, and the grayscale version is **69.3177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8399, 0.2929, 0.3414**, and **44.5684, 0.2838, 0.4324** is the 20% darker color. If you saturate the color by 10%, you get **78.9692, 0.2858, 0.4354**, and if you desaturate by 10%, it is **85.3968, 0.2951, 0.3869**.

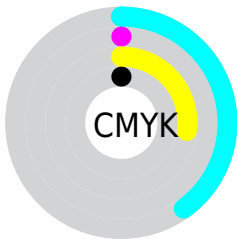
Distribution



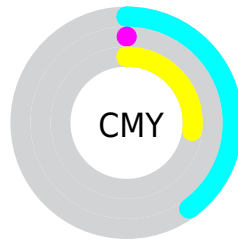
- Red (60%)
- Green (100%)
- Blue (73%)



- Red (60%)
- Yellow (90%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8802, 0.2900, 0.4104 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 81.8802, 0.2900, 0.4104 by changing the saturation by 10% instead.

 81.8802, 0.2900,
0.4104

 81.8802, 0.2900,
0.4104


501.2469, 0.3013,
0.3715

 61.2668, 0.2872,
0.4196


 136.0060, 0.2941,
0.3966

 44.4405, 0.2837,
0.4311

 170.2872, 0.2956,
0.3914

 31.0170, 0.2790,
0.4458


209.8930, 0.2969,
0.3869

 20.6118, 0.2727,
0.4655

255.2080, 0.2981,
0.3829

 12.8405, 0.2635,
0.4928

306.6165, 0.2990,
0.3795

 7.3188, 0.2494,
0.5331


364.5029, 0.2999,


 3.6623, 0.2253,


0.3765


0.5973


429.2515, 0.3007,
0.3738

 1.4865, 0.1406,
0.8594


 0.2792, 0.0000,
1.0000


 81.8802, 0.2900,
0.4104


 81.8802, 0.2900,
0.4104


 78.9692, 0.2858,
0.4354


 85.3968, 0.2951,
0.3869

 76.6425, 0.2829,
0.4614

 89.5688, 0.3007,
0.3655

 74.8536, 0.2815,
0.4875

 94.4221, 0.3067,
0.3462

 73.5557, 0.2818,
0.5124

99.9863, 0.3127,
0.3290

■ 72.6931, 0.2839,
0.5351

100.0000, 0.3127,
0.3290

■ 72.1779, 0.2874,
0.5545

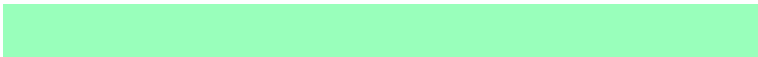
Harmonies

Analogous

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



81.8802, 0.3465, 0.4341



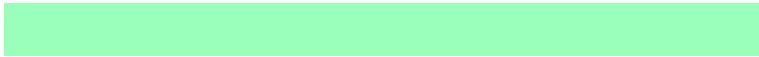
81.8802, 0.2900, 0.4104



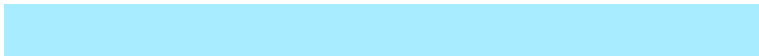
81.8802, 0.2423, 0.3573

Triad

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



81.8802, 0.2900, 0.4104



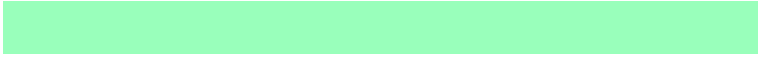
81.8802, 0.2305, 0.2397



81.8802, 0.4217, 0.3423

Complementary

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



81.8802, 0.2900, 0.4104



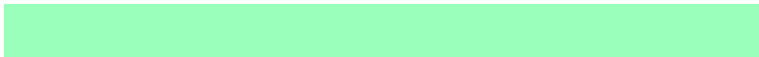
49.2398, 0.3469, 0.2601

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.



81.8802, 0.3848, 0.2989



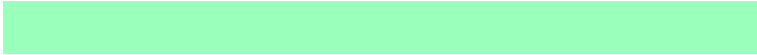
81.8802, 0.2900, 0.4104



81.8802, 0.2717, 0.2424

Square

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



81.8802, 0.2900, 0.4104



81.8802, 0.2108, 0.2586



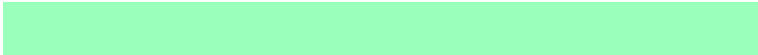
81.8802, 0.3281, 0.2636



81.8802, 0.4252, 0.3865

Rectangle

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



81.8802, 0.2900, 0.4104



81.8802, 0.2213, 0.3180



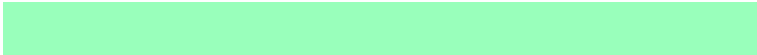
81.8802, 0.3281, 0.2636



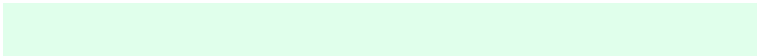
81.8802, 0.4127, 0.3274

Sweetspot

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



81.8749, 0.2900, 0.4104



93.4072, 0.3055, 0.3498



89.1870, 0.3495, 0.4370



19.8527, 0.3047, 0.3523



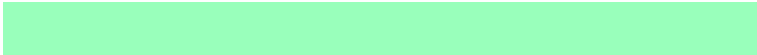
0.0000, 0.0000, 0.0000



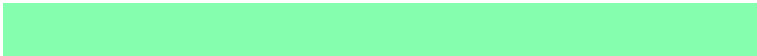
21.4041, 0.3127, 0.3290

Same Dimension

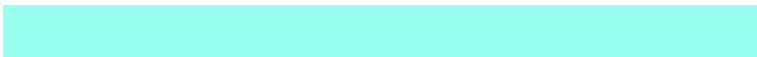
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8749, 0.2900, 0.4104



79.5091, 0.2866, 0.4303



84.4590, 0.2651, 0.3482



20.2682, 0.3070, 0.3452



37.7392, 0.2865, 0.5515



3.6939, 0.2802, 0.5289

Inverse Universe

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



49.2398, 0.3469, 0.2601



42.7878, 0.3563, 0.2470



46.9236, 0.3973, 0.3114



18.1912, 0.3189, 0.3133



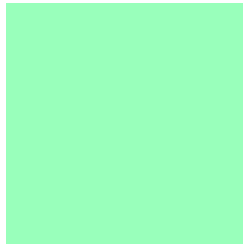
12.6517, 0.4279, 0.2131



1.2522, 0.4125, 0.2046

Previews

White Background



This preview shows how the Yxy color 81.8802, 0.2900, 0.4104 looks on a white background.

Color Contrast Check

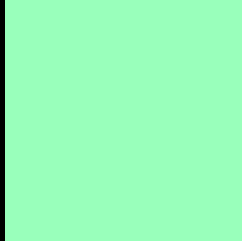
Large Text (above 18pt) WCAG AA × Fail

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 81.8802, 0.2900, 0.4104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

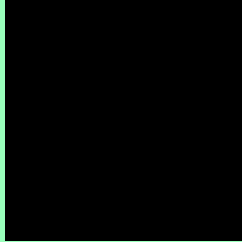
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

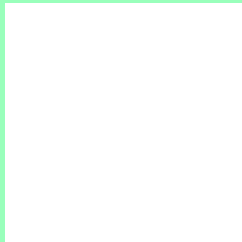
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8802, 0.2900, 0.4104

Background



This preview shows how black text looks on a background with the Yxy color 81.8802, 0.2900, 0.4104.

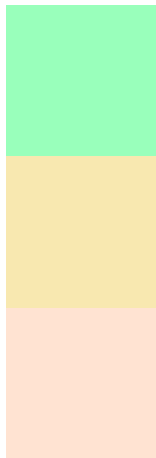


This preview shows how white text looks on a background with the Yxy color 81.8802, 0.2900, 0.4104.

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

81.8802, 0.2900, 0.4104

Protanopia

80.8043, 0.3610, 0.3868

Deuteranopia

80.8513, 0.3440, 0.3462



Tritanopia

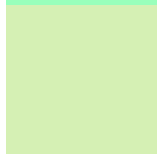
81.3371, 0.2749, 0.3139

Trichromacy



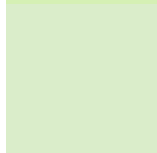
Original Color

81.8802, 0.2900, 0.4104



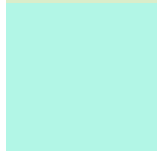
Protanomaly

79.7616, 0.3315, 0.3955



Deuteranomaly

79.7381, 0.3217, 0.3671



Tritanomaly

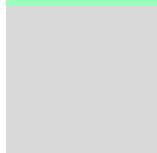
81.0897, 0.2806, 0.3469

Monochromacy



Original Color

81.8802, 0.2900, 0.4104



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.0774, 0.3033, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8802, 0.2900, 0.4104 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(153, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 187)  
}
```

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(153, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 187) }
```

Border

The CSS property to change the border of an element to Yxy 81.8802, 0.2900, 0.4104 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(153, 255, 187) }
```

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

```
.border{ border-color:rgb(153, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8802, 0.2900, 0.4104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 187) }
```

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

```
.background{ background-color: rgb(153,  
255, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor