

Converting Colors

$Yxy(82.9882, 0.2646, 0.3212)$

Have a look what the booklet for
Yxy(82.9882, 0.2646, 0.3212)
contains.

Yxy(83.0127, 0.2647, 0.3212)	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(83.0127, 0.2647, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	ABF8FF
RGB	171, 248, 255
RGB Percent	67%, 97%, 100%
CMY	0.3294, 0.0274, 0.0000
CMYK	0.33, 0.03, 0.00, 0.00
HSL	185°, 100%, 84%
HSV	185°, 33%, 100%
XYZ	68.4105, 83.0127, 107.0223
YIQ	225.7750, -48.1390, -14.1470

Conversions

Conversions Part 2

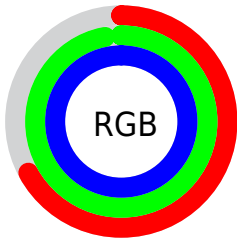
Format	Color
RYB	171, 211, 255
Decimal	11270399
CIELab	93.02, -21.82, -10.89
CIELCh	93, 24.390, 206.516
Yxy	83.0127, 0.2647, 0.3212
Android (android.graphics.Color)	4289460479 (0xFFABF8FF)
YUV	225.7750, 14.4079, -48.0377
Hunter-Lab	91.1113, -25.4188, -5.8660

Details

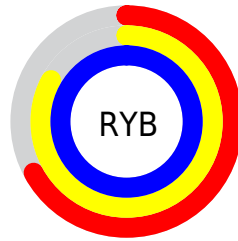
The Yxy color **83.0127, 0.2647, 0.3212** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.0366, 0.3875, 0.3366**, and the grayscale version is **75.8037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **44.9837, 0.2544, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **79.1255, 0.2525, 0.3185**, and if you desaturate by 10%, it is **87.4736, 0.2782, 0.3238**.

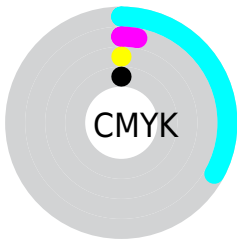
Distribution



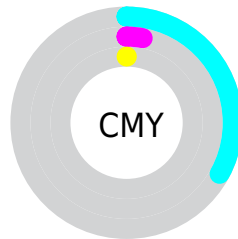
- Red (67%)
- Green (97%)
- Blue (100%)



- Red (67%)
- Yellow (83%)
- Blue (100%)



- Cyan (33%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0127, 0.2647, 0.3212 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 83.0127, 0.2647, 0.3212 by changing the saturation by 10% instead.


 83.0127, 0.2647,
0.3212

 83.0127, 0.2647,
0.3212


505.0288, 0.2860,
0.3251

 62.2006, 0.2600,
0.3202

 137.5932, 0.2719,
0.3226

 45.1948, 0.2544,
0.3190


172.1305, 0.2748,
0.3232

 31.6109, 0.2473,
0.3174

212.0116, 0.2773,
0.3236

 21.0645, 0.2384,
0.3152

257.6210, 0.2795,
0.3240

 13.1711, 0.2267,
0.3122

309.3430, 0.2814,
0.3244

 7.5465, 0.2108,
0.3075

367.5621, 0.2831,

 3.8062, 0.1879,

0.3246

0.2999

432.6625, 0.2847,
0.3249

1.5657, 0.1528,
0.2857

0.3343, 0.0000,
0.2276

83.0127, 0.2647,
0.3212

83.0127, 0.2647,
0.3212

79.1255, 0.2525,
0.3185

87.4736, 0.2782,
0.3238

75.7702, 0.2420,
0.3157

92.5277, 0.2928,
0.3262

72.9150, 0.2332,
0.3128

98.2057, 0.3081,
0.3284

70.5203, 0.2264,
0.3099

99.9999, 0.3127,
0.3290

■ 68.5404, 0.2216,
0.3070

■ 66.9200, 0.2186,
0.3042

■ 65.9358, 0.2173,
0.3022

Harmonies

Analogous

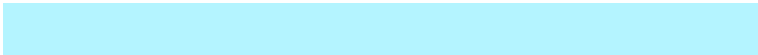
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0127, 0.2820, 0.3480



83.0127, 0.2647, 0.3212



83.0127, 0.2598, 0.2982

Triad

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



83.0127, 0.2647, 0.3212



83.0127, 0.3157, 0.2925



83.0127, 0.3583, 0.3735

Complementary

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



83.0127, 0.2647, 0.3212



56.0366, 0.3875, 0.3366

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.



83.0127, 0.3686, 0.3563



83.0127, 0.2647, 0.3212



83.0127, 0.3434, 0.3105

Square

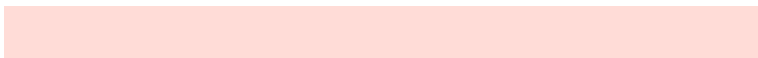
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0127, 0.2647, 0.3212



83.0127, 0.2883, 0.2831



83.0127, 0.3631, 0.3334



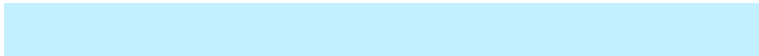
83.0127, 0.3359, 0.3791

Rectangle

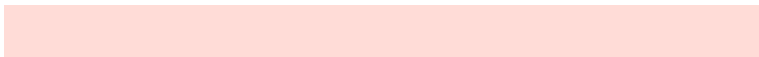
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



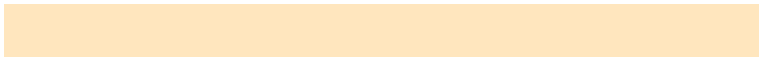
83.0127, 0.2647, 0.3212



83.0127, 0.2640, 0.2881



83.0127, 0.3631, 0.3334



83.0127, 0.3634, 0.3687

Sweetspot

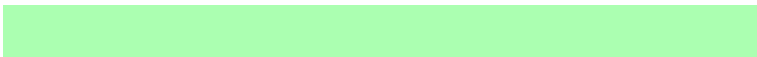
The Sweet Spot groups the original color and five complimentary colors.



83.0160, 0.2647, 0.3212



94.1335, 0.2972, 0.3268



83.3348, 0.3052, 0.4207



19.9829, 0.2951, 0.3265



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.



83.0160, 0.2647, 0.3212



80.2142, 0.2559, 0.3193



60.6962, 0.2588, 0.2743



20.2074, 0.2980, 0.3270



34.5612, 0.2174, 0.3027



3.4383, 0.2183, 0.3059

Inverse Universe

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



57.1622, 0.3220, 0.2530



50.7276, 0.3243, 0.2373



74.6533, 0.3737, 0.3780



18.2727, 0.3151, 0.3075



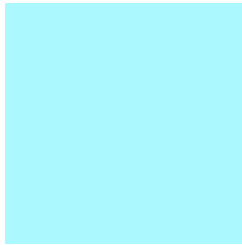
14.2169, 0.3431, 0.1664



1.3916, 0.3402, 0.1648

Previews

White Background



This preview shows how the Yxy color 83.0127, 0.2647, 0.3212 looks on a white background.

Color Contrast Check

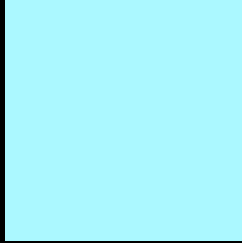
Large Text (above 18pt) WCAG AA × Fail

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 83.0127, 0.2647, 0.3212 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 83.0127, 0.2647, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 83.0127, 0.2647, 0.3212.

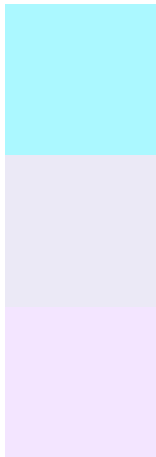


This preview shows how white text looks on a background with the Yxy color 83.0127, 0.2647, 0.3212.

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

83.0127, 0.2647, 0.3212

Protanopia

82.5938, 0.3060, 0.3158

Deuteranopia

82.3133, 0.3059, 0.3032



Tritanopia

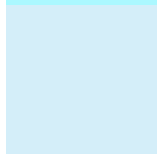
82.7300, 0.2784, 0.3151

Trichromacy



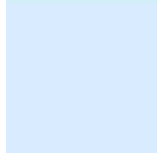
Original Color

83.0127, 0.2647, 0.3212



Protanomaly

81.9857, 0.2897, 0.3174



Deuteranomaly

81.9626, 0.2893, 0.3093



Tritanomaly

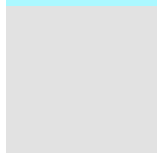
82.6127, 0.2730, 0.3171

Monochromacy



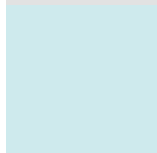
Original Color

83.0127, 0.2647, 0.3212



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.0819, 0.2927, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0127, 0.2647, 0.3212 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(171, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 248, 255)  
}
```

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(171, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.0127, 0.2647, 0.3212 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(171, 248, 255) }
```

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

```
.border{ border-color:rgb(171, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0127, 0.2647, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 248, 255) }
```

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

```
.background{ background-color: rgb(171,  
248, 255) }
```

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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