

Converting Colors

$Y_{xy}(100.0000, 0.2734, 0.4075)$

Have a look what the booklet for
Yxy(100.0000, 0.2734, 0.4075)
contains.

Yxy(81.5077, 0.2697, 0.3804)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.5077, 0.2697, 0.3804)

Conversions

Conversions Part 1

Format	Color
Hex	88FFD4
RGB	136, 255, 212
RGB Percent	53%, 100%, 83%
CMY	0.4669, 0.0000, 0.1686
CMYK	0.47, 0.00, 0.17, 0.00
HSL	158°, 100%, 77%
HSV	158°, 47%, 100%
XYZ	57.7882, 81.5077, 74.9725
YIQ	214.5170, -57.1210, -38.6010

Conversions

Conversions Part 2

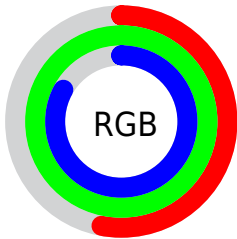
Format	Color
RYB	136, 209, 255
Decimal	8978388
CIELab	92.36, -43.48, 10.21
CIELCh	92, 44.659, 166.778
Yxy	81.5077, 0.2697, 0.3804
Android (android.graphics.Color)	4287168468 (0xFF88FFD4)
YUV	214.5170, -1.2409, -68.8594
Hunter-Lab	90.2816, -43.7371, 13.9610

Details

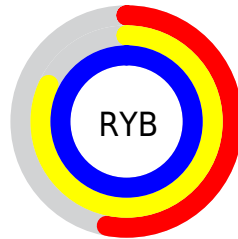
The Yxy color **81.5077, 0.2697, 0.3804** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.1012, 0.3932, 0.2846**, and the grayscale version is **67.6340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **44.3590, 0.2600, 0.3942** is the 20% darker color. If you saturate the color by 10%, you get **79.1646, 0.2637, 0.3938**, and if you desaturate by 10%, it is **84.3736, 0.2773, 0.3677**.

Distribution



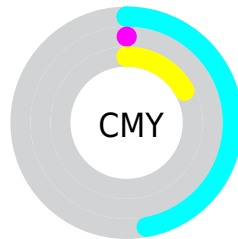
- Red (53%)
- Green (100%)
- Blue (83%)



- Red (53%)
- Yellow (82%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)



- Cyan (47%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.5077, 0.2697, 0.3804 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 81.5077, 0.2697, 0.3804 by changing the saturation by 10% instead.


 81.5077, 0.2697,
0.3804


 81.5077, 0.2697,
0.3804


499.9995, 0.2895,
0.3563

 60.9598, 0.2652,
0.3860


 135.4834, 0.2766,
0.3720

 44.1927, 0.2596,
0.3929


 169.6800, 0.2792,
0.3687

 30.8221, 0.2526,
0.4018


209.1950, 0.2816,
0.3659

 20.4634, 0.2435,
0.4135

254.4128, 0.2836,
0.3635

 12.7323, 0.2311,
0.4296

305.7177, 0.2853,
0.3613

 7.2445, 0.2135,
0.4531

363.4942, 0.2869,

 3.6155, 0.1867,

0.3594

428.1267, 0.2883,
0.3578

0.4905

1.4609, 0.0965,
0.5902

0.2609, 0.0000,
1.0000

81.5077, 0.2697,
0.3804

81.5077, 0.2697,
0.3804

79.1646, 0.2637,
0.3938

84.3736, 0.2773,
0.3677

77.3244, 0.2594,
0.4077

87.8129, 0.2860,
0.3558

75.9394, 0.2571,
0.4219

91.8505, 0.2956,
0.3449

74.9605, 0.2569,
0.4360

96.5148, 0.3057,
0.3350

■ 74.3259, 0.2587,
0.4499

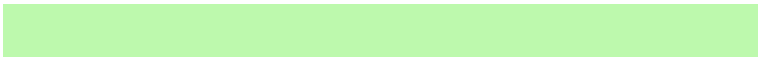
100.0000, 0.3127,
0.3290

■ 74.1611, 0.2596,
0.4544

Harmonies

Analogous

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



81.5077, 0.3186, 0.4163



81.5077, 0.2697, 0.3804



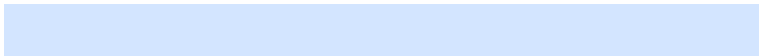
81.5077, 0.2342, 0.3287

Triad

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



81.5077, 0.2697, 0.3804



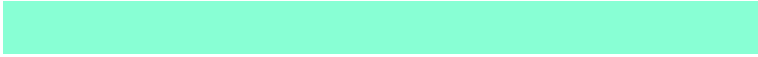
81.5077, 0.2545, 0.2468



81.5077, 0.4161, 0.3619

Complementary

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



81.5077, 0.2697, 0.3804



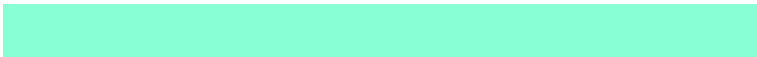
42.1012, 0.3932, 0.2846

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.



81.5077, 0.3969, 0.3211



81.5077, 0.2697, 0.3804



81.5077, 0.2999, 0.2578

Square

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



81.5077, 0.2697, 0.3804



81.5077, 0.2264, 0.2545



81.5077, 0.3528, 0.2842



81.5077, 0.4047, 0.3990

Rectangle

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



81.5077, 0.2697, 0.3804



81.5077, 0.2218, 0.2963



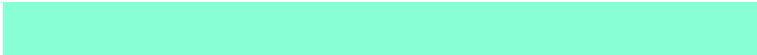
81.5077, 0.3528, 0.2842



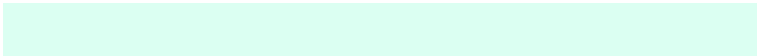
81.5077, 0.4131, 0.3483

Sweetspot

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



81.5020, 0.2697, 0.3804



93.0439, 0.2983, 0.3422



82.9499, 0.3310, 0.4659



19.7098, 0.2961, 0.3444



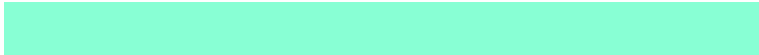
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.5020, 0.2697, 0.3804



79.3102, 0.2640, 0.3929



74.2544, 0.2471, 0.3105



20.3636, 0.3028, 0.3377



38.7804, 0.2589, 0.4521



3.7969, 0.2546, 0.4364

Inverse Universe

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



42.1012, 0.3932, 0.2846



35.5646, 0.4187, 0.2771



45.4298, 0.4330, 0.3459



18.0955, 0.3237, 0.3204



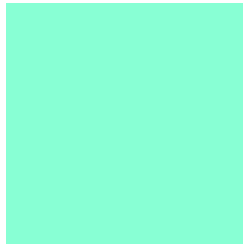
11.5393, 0.5540, 0.2825



1.1436, 0.5227, 0.2653

Previews

White Background



This preview shows how the Yxy color 81.5077, 0.2697, 0.3804 looks on a white background.

Color Contrast Check

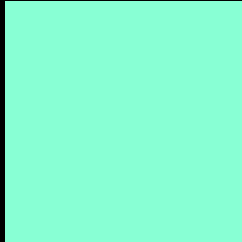
Large Text (above 18pt) WCAG AA × Fail

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 81.5077, 0.2697, 0.3804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

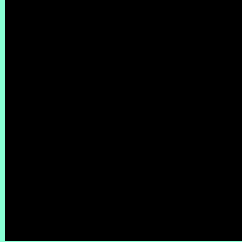
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

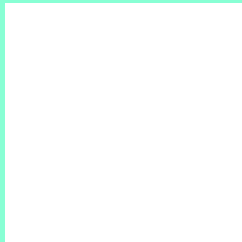
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5077, 0.2697, 0.3804

Background



This preview shows how black text looks on a background with the Yxy color 81.5077, 0.2697, 0.3804.

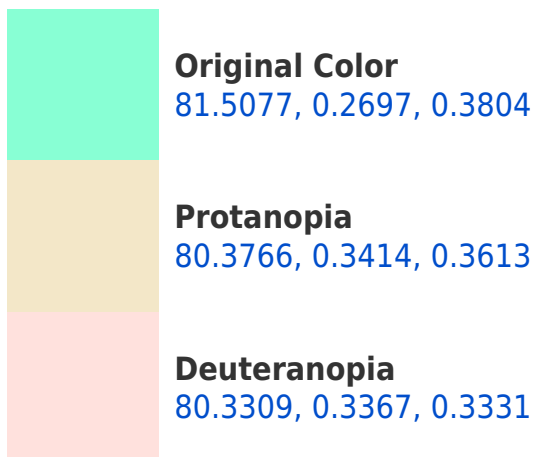


This preview shows how white text looks on a background with the Yxy color 81.5077, 0.2697, 0.3804.

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

81.0385, 0.2712, 0.3148

Trichromacy



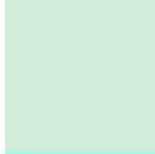
Original Color

81.5077, 0.2697, 0.3804



Protanomaly

79.5172, 0.3108, 0.3691



Deuteranomaly

79.0499, 0.3078, 0.3486



Tritanomaly

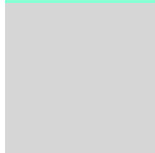
80.9690, 0.2703, 0.3379

Monochromacy



Original Color

81.5077, 0.2697, 0.3804



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.2818, 0.2939, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5077, 0.2697, 0.3804 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(136, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 212)  
}
```

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(136, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 81.5077, 0.2697, 0.3804 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(136, 255, 212) }
```

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

```
.border{ border-color:rgb(136, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5077, 0.2697, 0.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 212) }
```

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

```
.background{ background-color: rgb(136,  
255, 212) }
```

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