

Converting Colors

$Yxy(83.0827, 0.2773, 0.3784)$

Have a look what the booklet for
Yxy(83.0827, 0.2773, 0.3784)
contains.

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Color

Yxy(83.0964, 0.2771, 0.3781)

Conversions

Conversions Part 1

Format	Color
Hex	99FFD5
RGB	153, 255, 213
RGB Percent	60%, 100%, 84%
CMY	0.4002, 0.0000, 0.1647
CMYK	0.40, 0.00, 0.16, 0.00
HSL	155°, 100%, 80%
HSV	155°, 40%, 100%
XYZ	60.8993, 83.0964, 75.7779
YIQ	219.7140, -47.3100, -34.6860

Conversions

Conversions Part 2

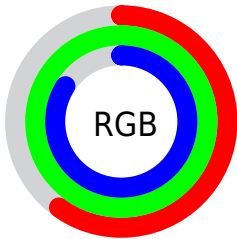
Format	Color
RYB	153, 217, 255
Decimal	10092501
CIELab	93.06, -39.02, 10.79
CIELCh	93, 40.486, 164.543
Yxy	83.0964, 0.2771, 0.3781
Android (android.graphics.Color)	4288282581 (0xFF99FFD5)
YUV	219.7140, -3.3100, -58.5082
Hunter-Lab	91.1572, -40.2749, 14.5230

Details

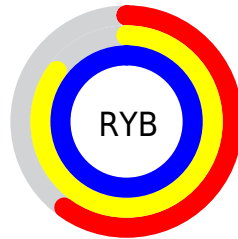
The Yxy color **83.0964, 0.2771, 0.3781** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.9638, 0.3718, 0.2855**, and the grayscale version is **71.3967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.3436, 0.2689, 0.3909** is the 20% darker color. If you saturate the color by 10%, you get **80.3548, 0.2705, 0.3930**, and if you desaturate by 10%, it is **86.3926, 0.2849, 0.3641**.

Distribution



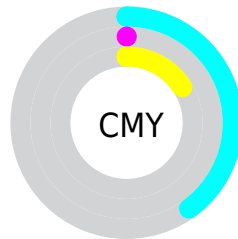
- Red (60%)
- Green (100%)
- Blue (84%)



- Red (60%)
- Yellow (85%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.0964, 0.2771, 0.3781 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 83.0964, 0.2771, 0.3781 by changing the saturation by 10% instead.

 83.0964, 0.2771,
0.3781


 83.0964, 0.2771,
0.3781


505.3077, 0.2935,
0.3551

 62.2697, 0.2734,
0.3834


 137.7105, 0.2828,
0.3701

 45.2506, 0.2687,
0.3900


 172.2666, 0.2850,
0.3670

 31.6549, 0.2629,
0.3984


212.1680, 0.2869,
0.3643

 21.0980, 0.2553,
0.4094

257.7991, 0.2886,
0.3620

 13.1957, 0.2450,
0.4246

309.5442, 0.2901,
0.3600

 7.5634, 0.2303,
0.4467

367.7877, 0.2914,

 3.8169, 0.2076,

0.3582

0.4818

432.9141, 0.2925,
0.3566

■ 1.5717, 0.1498,
0.5588

■ 0.3384, 0.0000,
1.0000

■ 83.0964, 0.2771,
0.3781

■ 83.0964, 0.2771,
0.3781

■ 80.3548, 0.2705,
0.3930

■ 86.3926, 0.2849,
0.3641

■ 78.1480, 0.2655,
0.4088

■ 90.2901, 0.2937,
0.3512

■ 76.4323, 0.2623,
0.4250

■ 94.8131, 0.3030,
0.3395

■ 75.1635, 0.2611,
0.4413

99.9891, 0.3127,
0.3290

■ 74.2888, 0.2620,
0.4573

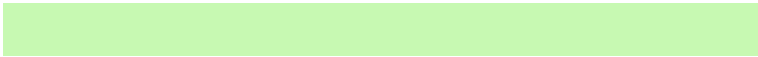
100.0000, 0.3127,
0.3290

■ 73.7236, 0.2647,
0.4728

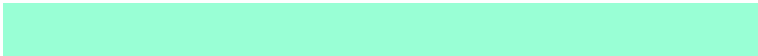
Harmonies

Analogous

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



83.0964, 0.3219, 0.4083



83.0964, 0.2771, 0.3781



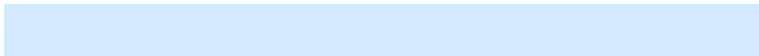
83.0964, 0.2434, 0.3325

Triad

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



83.0964, 0.2771, 0.3781



83.0964, 0.2576, 0.2541



83.0964, 0.4055, 0.3568

Complementary

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



83.0964, 0.2771, 0.3781



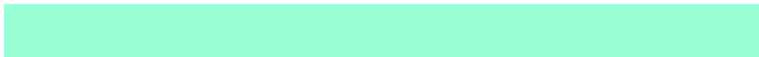
47.9638, 0.3718, 0.2855

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.



83.0964, 0.3861, 0.3195



83.0964, 0.2771, 0.3781



83.0964, 0.2979, 0.2629

Square

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



83.0964, 0.2771, 0.3781



83.0964, 0.2331, 0.2629



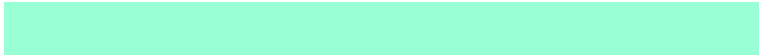
83.0964, 0.3455, 0.2862



83.0964, 0.3975, 0.3907

Rectangle

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



83.0964, 0.2771, 0.3781



83.0964, 0.2309, 0.3030



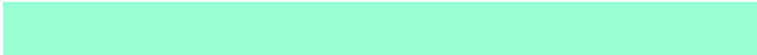
83.0964, 0.3455, 0.2862



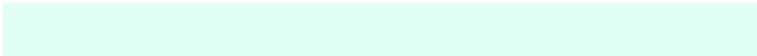
83.0964, 0.4020, 0.3443

Sweetspot

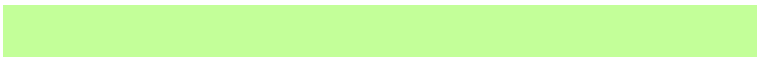
The Sweet Spot groups the original color and five complimentary colors.



83.0914, 0.2771, 0.3781



93.8665, 0.3011, 0.3418



85.4831, 0.3326, 0.4433



19.9606, 0.2999, 0.3432



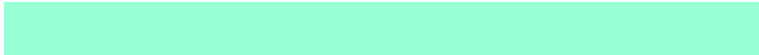
0.0000, 0.0000, 0.0000



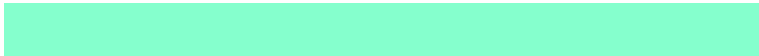
21.4041, 0.3127, 0.3290

Same Dimension

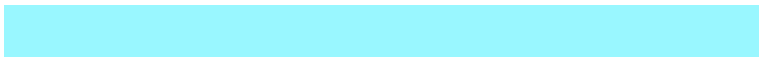
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0914, 0.2771, 0.3781



80.8637, 0.2717, 0.3900



80.2009, 0.2559, 0.3193



20.3475, 0.3035, 0.3390



38.5526, 0.2640, 0.4703



3.7755, 0.2590, 0.4525

Inverse Universe

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



47.9638, 0.3718, 0.2855



41.3437, 0.3896, 0.2772



49.2068, 0.4111, 0.3382



18.1110, 0.3229, 0.3193



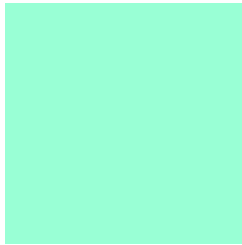
11.6692, 0.5337, 0.2713



1.1573, 0.5040, 0.2550

Previews

White Background



This preview shows how the Yxy color 83.0964, 0.2771, 0.3781 looks on a white background.

Color Contrast Check

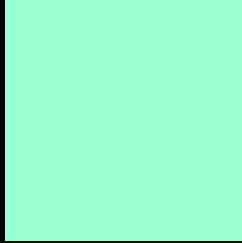
Large Text (above 18pt) WCAG AA × Fail

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 83.0964, 0.2771, 0.3781 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

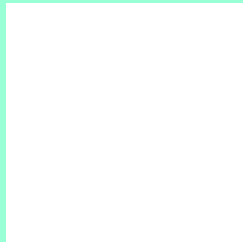
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0964, 0.2771, 0.3781

Background



This preview shows how black text looks on a background with the Yxy color 83.0964, 0.2771, 0.3781.

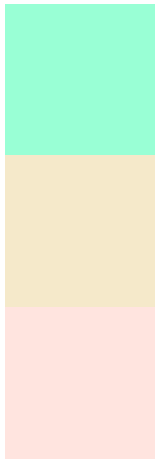


This preview shows how white text looks on a background with the Yxy color 83.0964, 0.2771, 0.3781.

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

83.0964, 0.2771, 0.3781

Protanopia

81.9546, 0.3412, 0.3610

Deuteranopia

82.0745, 0.3350, 0.3341



Tritanopia

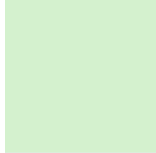
82.4600, 0.2773, 0.3151

Trichromacy



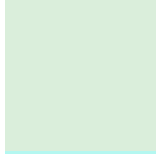
Original Color

83.0964, 0.2771, 0.3781



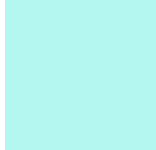
Protanomaly

81.3639, 0.3148, 0.3673



Deuteranomaly

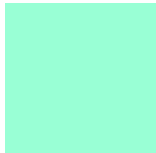
81.1690, 0.3111, 0.3494



Tritanomaly

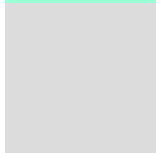
82.5161, 0.2766, 0.3366

Monochromacy



Original Color

83.0964, 0.2771, 0.3781



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.0233, 0.2980, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0964, 0.2771, 0.3781 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 83.0964, 0.2771, 0.3781 is called "border". The border property can be set on classes, ids or directly on the HTML element.

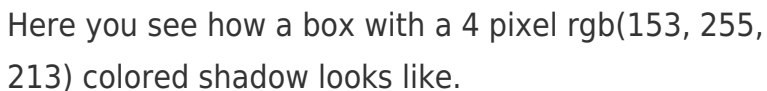
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 255, 213) }
```

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

```
.border{ border-color:rgb(153, 255, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 255, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 255, 213); box-shadow:4px 4px 4px 4px rgb(153, 255, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0964, 0.2771, 0.3781 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, 213) }
```

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

```
.background{ background-color: rgb(153,  
255, 213) }
```

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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