

# Converting Colors

$Yxy(83.2583, 0.2792, 0.3801)$

Have a look what the booklet for  
Yxy(83.2583, 0.2792, 0.3801)  
contains.

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# Color

**Yxy(83.1917, 0.2791, 0.3804)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BFFD3
RGB	155, 255, 211
RGB Percent	61%, 100%, 83%
CMY	0.3921, 0.0000, 0.1726
CMYK	0.39, 0.00, 0.17, 0.00
HSL	154°, 100%, 80%
HSV	154°, 39%, 100%
XYZ	61.0379, 83.1917, 74.4658
YIQ	220.0840, -45.4760, -34.8840

# Conversions

## Conversions Part 2

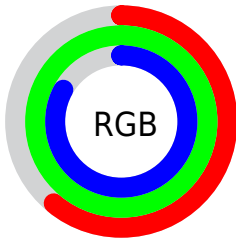
Format	Color
<a href="#">RYB</a>	<a href="#">155, 219, 255</a>
Decimal	<a href="#">10223571</a>
CIELab	<a href="#">93.10, -38.87, 11.89</a>
CIElCh	<a href="#">93, 40.652, 162.992</a>
Yxy	<a href="#">83.1917, 0.2791, 0.3804</a>
Android (android.graphics.Color)	<a href="#">4288413651 (0xFF9BFFD3)</a>
YUV	<a href="#">220.0840, -4.4784, -57.0787</a>
Hunter-Lab	<a href="#">91.2095, -40.1635, 15.4408</a>

# Details

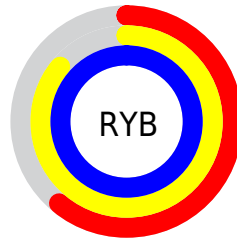
The Yxy color **83.1917, 0.2791, 0.3804** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.8349, 0.3674, 0.2835**, and the grayscale version is **71.6917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **45.4411, 0.2717, 0.3939** is the 20% darker color. If you saturate the color by 10%, you get **80.3878, 0.2727, 0.3964**, and if you desaturate by 10%, it is **86.5719, 0.2867, 0.3655**.

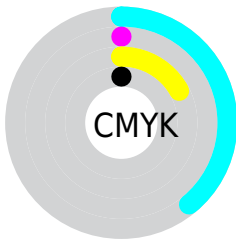
# Distribution



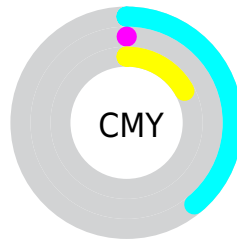
- Red (61%)
- Green (100%)
- Blue (83%)



- Red (61%)
- Yellow (86%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1917, 0.2791, 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 83.1917, 0.2791, 0.3804 by changing the saturation by 10% instead.




 83.1917, 0.2791,  
0.3804


 83.1917, 0.2791,  
0.3804


505.6252, 0.2947,  
0.3563

 62.3483, 0.2755,  
0.3860


 137.8439, 0.2845,  
0.3720

 45.3142, 0.2711,  
0.3929

 172.4215, 0.2866,  
0.3687

 31.7050, 0.2656,  
0.4017


212.3460, 0.2884,  
0.3659

 21.1363, 0.2583,  
0.4134

258.0018, 0.2900,  
0.3635

 13.2236, 0.2484,  
0.4294

309.7731, 0.2914,  
0.3614

 7.5827, 0.2341,  
0.4528

368.0446, 0.2926,

 3.8291, 0.2120,

0.3595

0.4899

433.2005, 0.2937,  
0.3578

■ 1.5784, 0.1558,  
0.5729

■ 0.3430, 0.0000,  
1.0000

■ 83.1917, 0.2791,  
0.3804

■ 83.1917, 0.2791,  
0.3804

■ 80.3878, 0.2727,  
0.3964

■ 86.5719, 0.2867,  
0.3655

■ 78.1191, 0.2677,  
0.4133

■ 90.5537, 0.2952,  
0.3517

■ 76.3493, 0.2646,  
0.4306

■ 95.1683, 0.3042,  
0.3393

■ 75.0345, 0.2635,  
0.4481

100.0000, 0.3127,  
0.3290

■ 74.1228, 0.2645,  
0.4653

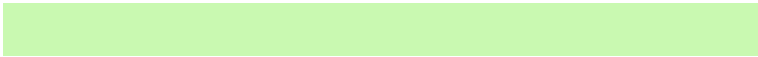
■ 73.5363, 0.2673,  
0.4818

■ 73.4962, 0.2675,  
0.4831

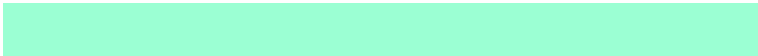
# Harmonies

## Analogous

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



83.1917, 0.3244, 0.4095



83.1917, 0.2791, 0.3804



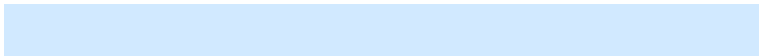
83.1917, 0.2445, 0.3350

# Triad

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



83.1917, 0.2791, 0.3804



83.1917, 0.2557, 0.2539



83.1917, 0.4055, 0.3549

# Complementary

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



83.1917, 0.2791, 0.3804



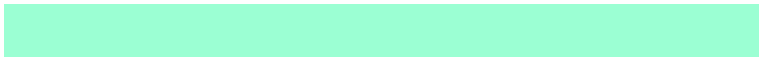
48.8349, 0.3674, 0.2835

# 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.



83.1917, 0.3847, 0.3175



83.1917, 0.2791, 0.3804



83.1917, 0.2955, 0.2618

# Square

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



83.1917, 0.2791, 0.3804



83.1917, 0.2320, 0.2636



83.1917, 0.3432, 0.2845

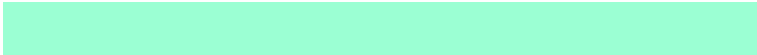


83.1917, 0.3989, 0.3894



# Rectangle

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



83.1917, 0.2791, 0.3804



83.1917, 0.2313, 0.3050



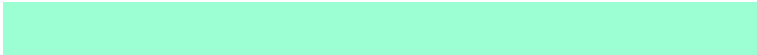
83.1917, 0.3432, 0.2845



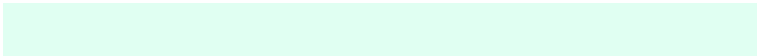
83.1917, 0.4015, 0.3424

# Sweetspot

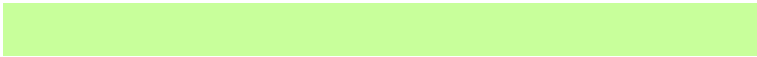
The Sweet Spot groups the original color and five complimentary colors.



83.1938, 0.2791, 0.3804



93.8140, 0.3016, 0.3427



86.1684, 0.3344, 0.4399



19.9482, 0.3004, 0.3443



0.0000, 0.0000, 0.0000

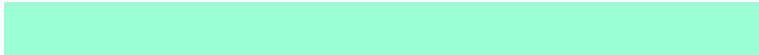


21.4041, 0.3127, 0.3290

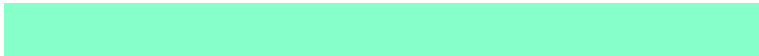


# Same Dimension

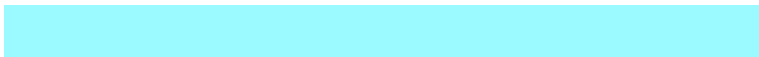
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1938, 0.2791, 0.3804



80.9595, 0.2740, 0.3928



82.5627, 0.2575, 0.3233



20.3385, 0.3039, 0.3397



38.4339, 0.2668, 0.4804



3.7642, 0.2615, 0.4615



# Inverse Universe

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



48.8349, 0.3674, 0.2835



42.2563, 0.3835, 0.2747



48.7764, 0.4097, 0.3346



18.1199, 0.3225, 0.3186



11.7516, 0.5218, 0.2648

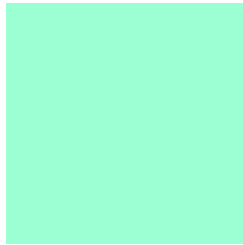


1.1657, 0.4933, 0.2491



# Previews

## White Background



This preview shows how the Yxy color 83.1917, 0.2791, 0.3804 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

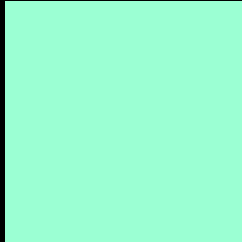
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.1917, 0.2791, 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 83.1917, 0.2791, 0.3804**

## Background



This preview shows how black text looks on a background with the Yxy color 83.1917, 0.2791, 0.3804.

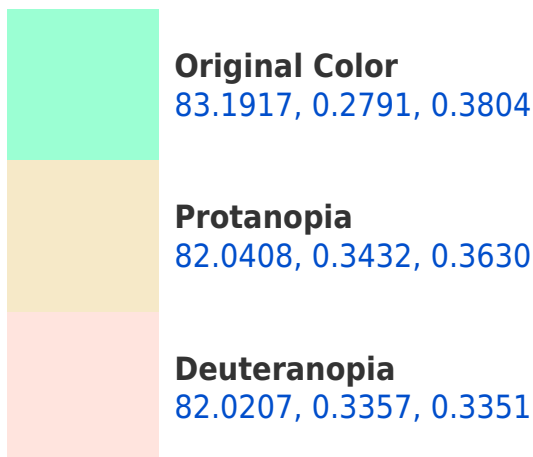


This preview shows how white text looks on a background with the Yxy color 83.1917, 0.2791, 0.3804.

# 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

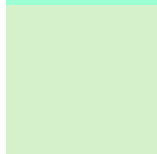
82.5946, 0.2778, 0.3151

# Trichromacy



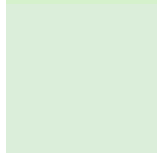
## Original Color

83.1917, 0.2791, 0.3804



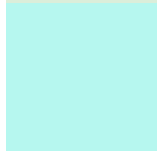
## Protanomaly

81.4164, 0.3167, 0.3694



## Deuteranomaly

81.2711, 0.3124, 0.3504



## Tritanomaly

82.6986, 0.2782, 0.3377

# Monochromacy



## Original Color

83.1917, 0.2791, 0.3804



## 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 83.1917, 0.2791, 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(155, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(155, 255, 211)  
}
```

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(155, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 83.1917, 0.2791, 0.3804 is called "border". The border property can be set on classes, ids or directly on the HTML element.

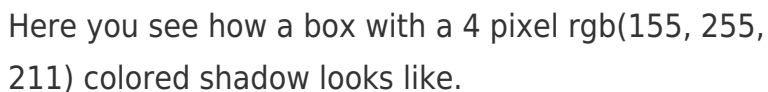
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 255, 211) }
```

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

```
.border{ border-color:rgb(155, 255, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 255, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 255, 211); box-shadow:4px 4px 4px 4px rgb(155, 255, 211) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.1917, 0.2791, 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(155, 255, 211) }
```

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

```
.background{ background-color: rgb(155,  
255, 211) }
```

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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