

# Converting Colors

$Yxy(83.9076, 0.2963, 0.4014)$

Have a look what the booklet for  
Yxy(83.9076, 0.2963, 0.4014)  
contains.

<b>Yxy(83.9163, 0.2961, 0.4010)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(83.9163, 0.2961, 0.4010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAFFC1
RGB	170, 255, 193
RGB Percent	67%, 100%, 76%
CMY	0.3333, 0.0000, 0.2431
CMYK	0.33, 0.00, 0.24, 0.00
HSL	136°, 100%, 83%
HSV	136°, 33%, 100%
XYZ	61.9641, 83.9163, 63.3872
YIQ	222.5170, -30.7580, -37.3020

# Conversions

## Conversions Part 2

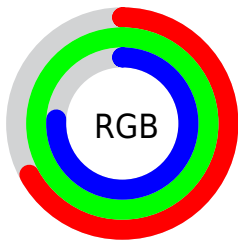
Format	Color
<a href="#">RYB</a>	<a href="#">170, 237, 255</a>
Decimal	<a href="#">11206593</a>
CIELab	<a href="#">93.41, -38.06, 21.65</a>
CIELCh	<a href="#">93, 43.789, 150.373</a>
Yxy	<a href="#">83.9163, 0.2961, 0.4010</a>
Android (android.graphics.Color)	<a href="#">4289396673</a> ( <a href="#">0xFFFAAFFC1</a> )
YUV	<a href="#">222.5170, -14.5519, -46.0574</a>
Hunter-Lab	<a href="#">91.6058, -39.5690, 23.0981</a>

# Details

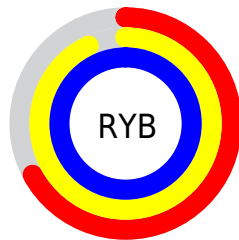
The Yxy color **83.9163, 0.2961, 0.4010** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.8370, 0.3351, 0.2666**, and the grayscale version is **73.5538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7530, 0.2985, 0.3340**, and **45.8971, 0.2918, 0.4194** is the 20% darker color. If you saturate the color by 10%, you get **80.5668, 0.2919, 0.4274**, and if you desaturate by 10%, it is **87.9230, 0.3008, 0.3766**.

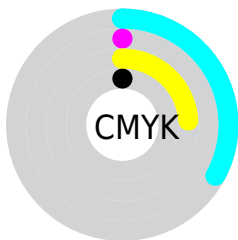
# Distribution



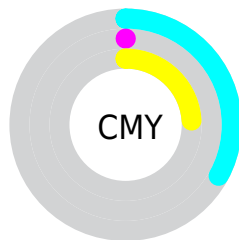
- Red (67%)
- Green (100%)
- Blue (76%)



- Red (67%)
- Yellow (93%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9163, 0.2961, 0.4010 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 83.9163, 0.2961, 0.4010 by changing the saturation by 10% instead.





 83.9163, 0.2961,  
0.4010

 83.9163, 0.2961,  
0.4010


508.0353, 0.3044,  
0.3669

 62.9463, 0.2940,  
0.4090

 138.8581, 0.2991,  
0.3890

 45.7978, 0.2914,  
0.4189


173.5987, 0.3002,  
0.3844

 32.0863, 0.2880,  
0.4316


213.6983, 0.3012,  
0.3804

 21.4274, 0.2833,  
0.4484

259.5413, 0.3020,  
0.3770

 13.4368, 0.2766,  
0.4715

311.5121, 0.3027,  
0.3740

 7.7300, 0.2661,  
0.5055


369.9951, 0.3034,


 3.9227, 0.2483,


0.3714


0.5591


435.3747, 0.3039,  
0.3690


 1.6304, 0.2176,  
0.7357


 0.3780, 0.0000,  
1.0000


 83.9163, 0.2961,  
0.4010


 83.9163, 0.2961,  
0.4010


 80.5668, 0.2919,  
0.4274


 87.9230, 0.3008,  
0.3766

 77.8361, 0.2886,  
0.4552

 92.6175, 0.3059,  
0.3546

 75.6858, 0.2866,  
0.4835

 98.0314, 0.3110,  
0.3350

 74.0718, 0.2859,  
0.5110

100.0000, 0.3127,  
0.3290

■ 72.9433, 0.2869,  
0.5361

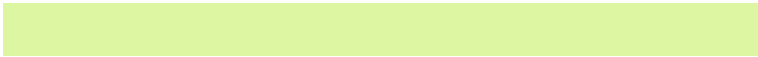
■ 72.2396, 0.2894,  
0.5575

■ 71.9499, 0.2915,  
0.5694

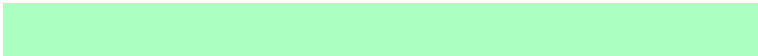
# Harmonies

## Analogous

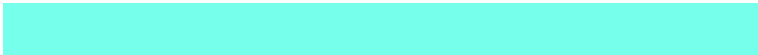
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9163, 0.3458, 0.4202



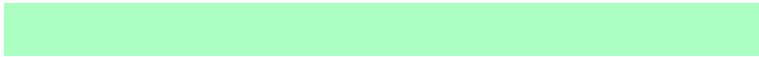
83.9163, 0.2961, 0.4010



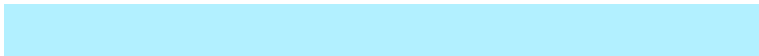
83.9163, 0.2531, 0.3567

# Triad

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



83.9163, 0.2961, 0.4010



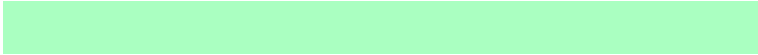
83.9163, 0.2387, 0.2507



83.9163, 0.4065, 0.3394

# Complementary

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



83.9163, 0.2961, 0.4010



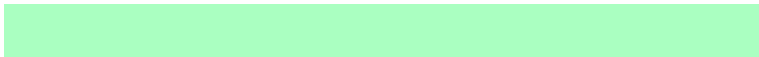
55.8370, 0.3351, 0.2666

# 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.



83.9163, 0.3732, 0.3008



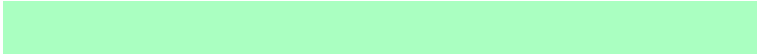
83.9163, 0.2961, 0.4010



83.9163, 0.2745, 0.2517

# Square

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



83.9163, 0.2961, 0.4010



83.9163, 0.2222, 0.2692



83.9163, 0.3235, 0.2697

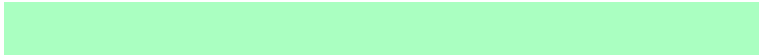


83.9163, 0.4117, 0.3786



# Rectangle

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



83.9163, 0.2961, 0.4010



83.9163, 0.2335, 0.3228



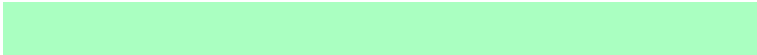
83.9163, 0.3235, 0.2697



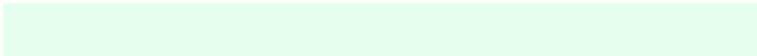
83.9163, 0.3981, 0.3261

# Sweetspot

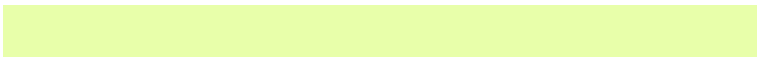
The Sweet Spot groups the original color and five complimentary colors.



83.9171, 0.2961, 0.4010



94.3399, 0.3076, 0.3478



91.6343, 0.3477, 0.4170



20.0350, 0.3069, 0.3506



0.0000, 0.0000, 0.0000

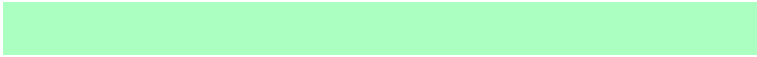


21.4041, 0.3127, 0.3290



# Same Dimension

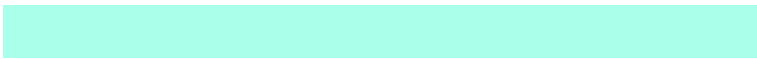
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9171, 0.2961, 0.4010



81.6124, 0.2932, 0.4184



86.0744, 0.2747, 0.3510



20.2489, 0.3078, 0.3468



37.6165, 0.2907, 0.5667



3.6799, 0.2847, 0.5450



# Inverse Universe

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



55.8370, 0.3351, 0.2666



49.6103, 0.3410, 0.2542



53.7216, 0.3725, 0.3084



18.2115, 0.3180, 0.3118



12.9872, 0.4040, 0.1999

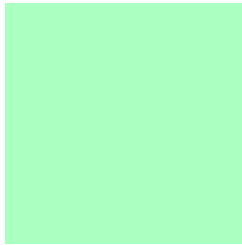


1.2828, 0.3923, 0.1935



# Previews

## White Background



This preview shows how the Yxy color 83.9163, 0.2961, 0.4010 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 83.9163, 0.2961, 0.4010 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

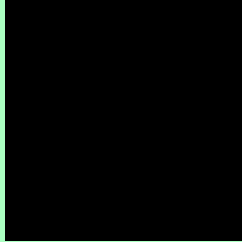
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

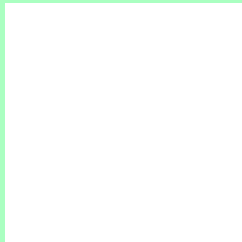
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.9163, 0.2961, 0.4010**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.9163, 0.2961, 0.4010.

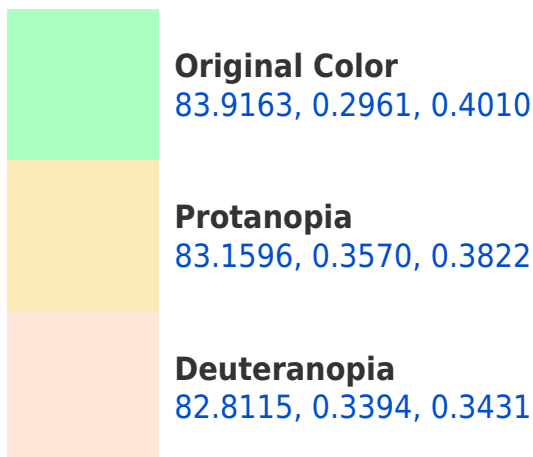


This preview shows how white text looks on a background with the Yxy color 83.9163, 0.2961, 0.4010.

# 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

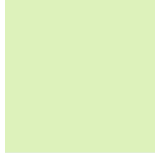
83.5616, 0.2818, 0.3152

# Trichromacy



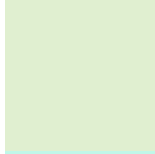
## Original Color

83.9163, 0.2961, 0.4010



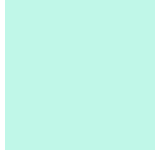
## Protanomaly

82.4643, 0.3324, 0.3886



## Deuteranomaly

82.1344, 0.3218, 0.3621



## Tritanomaly

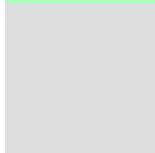
83.5542, 0.2875, 0.3454

# Monochromacy



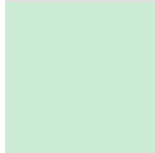
## Original Color

83.9163, 0.2961, 0.4010



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.0075, 0.3062, 0.3546

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.9163, 0.2961, 0.4010 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(170, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 193)  
}
```

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(170, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 83.9163, 0.2961, 0.4010 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(170, 255, 193) }
```

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

```
.border{ border-color:rgb(170, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.9163, 0.2961, 0.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 193) }
```

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

```
.background{ background-color: rgb(170,  
255, 193) }
```

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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