

# Converting Colors

Yxy(83.7331, 0.2716, 0.3639)

Have a look what the booklet for  
Yxy(83.7331, 0.2716, 0.3639)  
contains.

<b>Yxy(83.7285, 0.2713, 0.3635)</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(83.7285, 0.2713, 0.3635)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FFE1
RGB	153, 255, 225
RGB Percent	60%, 100%, 88%
CMY	0.4000, 0.0000, 0.1175
CMYK	0.40, 0.00, 0.12, 0.00
HSL	162°, 100%, 80%
HSV	162°, 40%, 100%
XYZ	62.4912, 83.7285, 84.1201
YIQ	221.0820, -51.1620, -30.9540

# Conversions

## Conversions Part 2

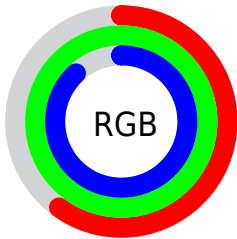
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 213, 255
Decimal	10092513
CIELab	93.33, -36.49, 4.99
CIElCh	93, 36.826, 172.217
Yxy	83.7285, 0.2713, 0.3635
Android (android.graphics.Color)	4288282593 (0xFF99FFE1)
YUV	221.0820, 1.9316, -59.7079
Hunter-Lab	91.5033, -38.2261, 9.5463

# Details

The Yxy color **83.7285, 0.2713, 0.3635** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.4638, 0.3839, 0.2978**, and the grayscale version is **72.3838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.7772, 0.2619, 0.3715** is the 20% darker color. If you saturate the color by 10%, you get **81.1089, 0.2636, 0.3739**, and if you desaturate by 10%, it is **86.9013, 0.2804, 0.3538**.

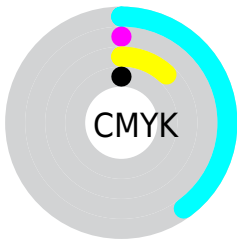
# Distribution



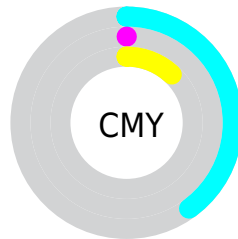
- Red (60%)
- Green (100%)
- Blue (88%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7285, 0.2713, 0.3635 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 83.7285, 0.2713, 0.3635 by changing the saturation by 10% instead.





 83.7285, 0.2713,  
0.3635

 83.7285, 0.2713,  
0.3635

507.4112, 0.2901,  
0.3476

 62.7913, 0.2671,  
0.3671


 138.5953, 0.2777,  
0.3580

 45.6724, 0.2620,  
0.3715


 173.2937, 0.2803,  
0.3559

 31.9874, 0.2555,  
0.3771


213.3480, 0.2825,  
0.3540

 21.3519, 0.2472,  
0.3844

259.1426, 0.2844,  
0.3524

 13.3814, 0.2362,  
0.3943

311.0618, 0.2861,  
0.3510

 7.6917, 0.2207,  
0.4084

369.4900, 0.2875,

 3.8983, 0.1976,

0.3498

0.4301

434.8117, 0.2889,  
0.3486

1.6169, 0.1498,  
0.4730

0.3689, 0.0000,  
0.8743

83.7285, 0.2713,  
0.3635

83.7285, 0.2713,  
0.3635

81.1089, 0.2636,  
0.3739

86.9013, 0.2804,  
0.3538

79.0005, 0.2575,  
0.3847

90.6509, 0.2905,  
0.3447

77.3677, 0.2533,  
0.3959

95.0089, 0.3014,  
0.3365

76.1666, 0.2512,  
0.4072

100.0000, 0.3127,  
0.3290

■ 75.3450, 0.2511,  
0.4185

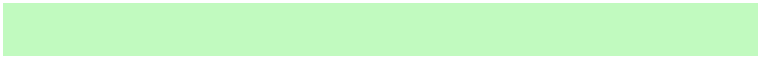
■ 74.8180, 0.2527,  
0.4296

■ 74.8178, 0.2527,  
0.4296

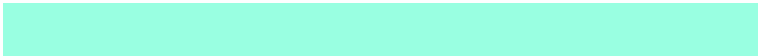
# Harmonies

## Analogous

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



83.7285, 0.3106, 0.3956



83.7285, 0.2713, 0.3635



83.7285, 0.2442, 0.3218

# Triad

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



83.7285, 0.2713, 0.3635



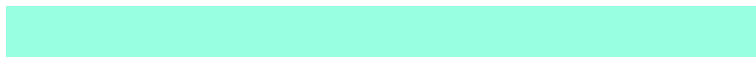
83.7285, 0.2708, 0.2611



83.7285, 0.3974, 0.3634

# Complementary

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



83.7285, 0.2713, 0.3635



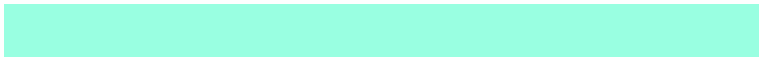
47.4638, 0.3839, 0.2978

# 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.



83.7285, 0.3859, 0.3293



83.7285, 0.2713, 0.3635



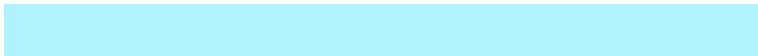
83.7285, 0.3103, 0.2728

# Square

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



83.7285, 0.2713, 0.3635



83.7285, 0.2441, 0.2651



83.7285, 0.3531, 0.2971



83.7285, 0.3844, 0.3918



# Rectangle

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



83.7285, 0.2713, 0.3635



83.7285, 0.2358, 0.2966



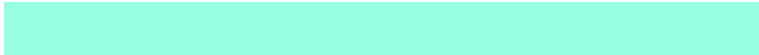
83.7285, 0.3531, 0.2971



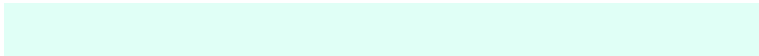
83.7285, 0.3963, 0.3522

# Sweetspot

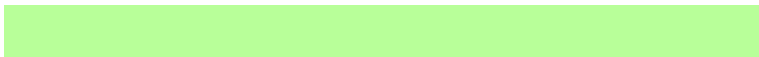
The Sweet Spot groups the original color and five complimentary colors.



83.7310, 0.2713, 0.3635



94.0856, 0.2992, 0.3381



83.9621, 0.3250, 0.4460



20.0123, 0.2977, 0.3391



0.0000, 0.0000, 0.0000

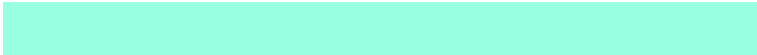


21.4041, 0.3127, 0.3290

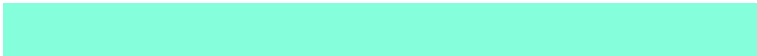


# Same Dimension

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



83.7310, 0.2713, 0.3635



81.5901, 0.2650, 0.3718



73.1823, 0.2538, 0.3056



20.3851, 0.3019, 0.3361



39.1213, 0.2522, 0.4278



3.8282, 0.2486, 0.4150



# Inverse Universe

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



47.4638, 0.3839, 0.2978



40.7742, 0.4059, 0.2919



53.6040, 0.4057, 0.3507



18.0749, 0.3248, 0.3220



11.3963, 0.5790, 0.2963

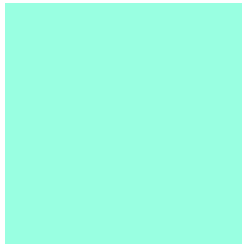


1.1277, 0.5470, 0.2787



# Previews

## White Background



This preview shows how the Yxy color 83.7285, 0.2713, 0.3635 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

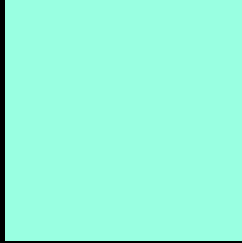
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.7285, 0.2713, 0.3635 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

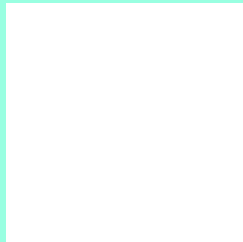
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.7285, 0.2713, 0.3635**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.7285, 0.2713, 0.3635.

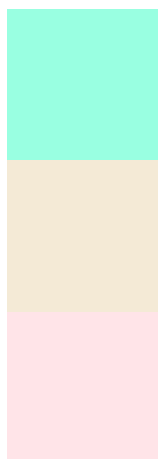


This preview shows how white text looks on a background with the Yxy color 83.7285, 0.2713, 0.3635.

# 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

83.7285, 0.2713, 0.3635

### Protanopia

82.9338, 0.3324, 0.3495

### Deuteranopia

82.5730, 0.3289, 0.3251



## Tritanopia

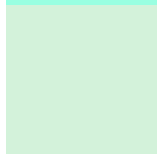
83.3270, 0.2785, 0.3162

# Trichromacy



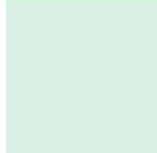
## Original Color

83.7285, 0.2713, 0.3635



## Protanomaly

82.4151, 0.3070, 0.3550



## Deuteranomaly

81.7116, 0.3051, 0.3385



## Tritanomaly

82.9983, 0.2757, 0.3322

# Monochromacy



## Original Color

83.7285, 0.2713, 0.3635



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

75.2875, 0.2951, 0.3413

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.7285, 0.2713, 0.3635 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 83.7285, 0.2713, 0.3635 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, 225) }
```

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

```
.border{ border-color:rgb(153, 255, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 255, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 255, 225); box-shadow:4px 4px 4px 4px rgb(153, 255, 225) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.7285, 0.2713, 0.3635 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, 225) }
```

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

```
.background{ background-color: rgb(153,  
255, 225) }
```

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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