

# Converting Colors

$Y_{xy}(128.1307, 0.2774, 0.4213)$

Have a look what the booklet for  
Yxy(128.1307, 0.2774, 0.4213)  
contains.

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# Color

**Yxy(83.5356, 0.2704, 0.3636)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97FFE1
RGB	151, 255, 225
RGB Percent	59%, 100%, 88%
CMY	0.4076, 0.0000, 0.1176
CMYK	0.41, 0.00, 0.12, 0.00
HSL	163°, 100%, 80%
HSV	163°, 41%, 100%
XYZ	62.1233, 83.5356, 84.0870
YIQ	220.4840, -52.3540, -31.3780

# Conversions

## Conversions Part 2

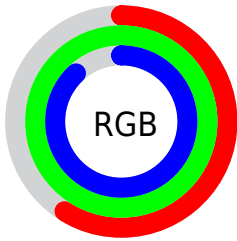
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	151, 212, 255
Decimal	9961441
CIE <sub>Lab</sub>	93.25, -36.98, 4.87
CIE <sub>LCh</sub>	93, 37.298, 172.503
Yxy	83.5356, 0.2704, 0.3636
Android (android.graphics.Color)	4288151521 (0xFF97FFE1)
YUV	220.4840, 2.2264, -60.9375
Hunter-Lab	91.3978, -38.6193, 9.4310

# Details

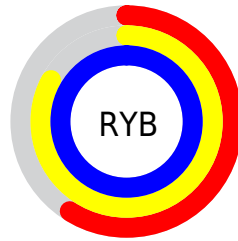
The Yxy color **83.5356, 0.2704, 0.3636** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.7544, 0.3864, 0.2978**, and the grayscale version is **71.9509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **45.6701, 0.2609, 0.3716** is the 20% darker color. If you saturate the color by 10%, you get **80.9629, 0.2627, 0.3738**, and if you desaturate by 10%, it is **86.6600, 0.2794, 0.3540**.

# Distribution



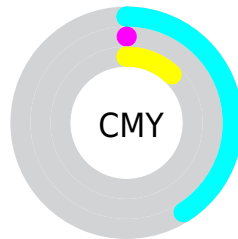
- Red (59%)
- Green (100%)
- Blue (88%)



- Red (59%)
- Yellow (83%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5356, 0.2704, 0.3636 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 83.5356, 0.2704, 0.3636 by changing the saturation by 10% instead.




 83.5356, 0.2704,  
0.3636


 83.5356, 0.2704,  
0.3636

506.7698, 0.2896,  
0.3477

 62.6321, 0.2661,  
0.3672


 138.3254, 0.2770,  
0.3581

 45.5436, 0.2609,  
0.3717

 172.9804, 0.2796,  
0.3560

 31.8858, 0.2543,  
0.3773


212.9881, 0.2818,  
0.3541

 21.2743, 0.2458,  
0.3846

258.7328, 0.2838,  
0.3525

 13.3247, 0.2345,  
0.3945

310.5989, 0.2855,  
0.3511

 7.6525, 0.2187,  
0.4086

368.9709, 0.2870,

 3.8734, 0.1951,

0.3498

0.4303

434.2330, 0.2884,  
0.3487

■ 1.6030, 0.1453,  
0.4740

■ 0.3596, 0.0000,  
0.8751

■ 83.5356, 0.2704,  
0.3636

■ 83.5356, 0.2704,  
0.3636

■ 80.9629, 0.2627,  
0.3738

■ 86.6600, 0.2794,  
0.3540

■ 78.8972, 0.2568,  
0.3845

■ 90.3575, 0.2896,  
0.3451

■ 77.3034, 0.2527,  
0.3955

■ 94.6604, 0.3005,  
0.3369

■ 76.1370, 0.2507,  
0.4066

■ 99.5959, 0.3118,  
0.3295

■ 75.3452, 0.2507,  
0.4176

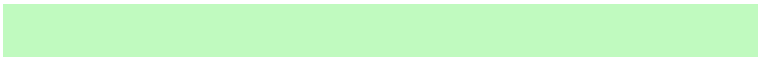
99.9960, 0.3127,  
0.3290

■ 74.8692, 0.2521,  
0.4276

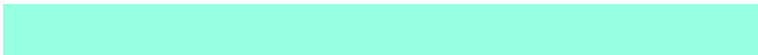
# Harmonies

## Analogous

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



83.5356, 0.3101, 0.3964



83.5356, 0.2704, 0.3636



83.5356, 0.2431, 0.3213

# Triad

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



83.5356, 0.2704, 0.3636



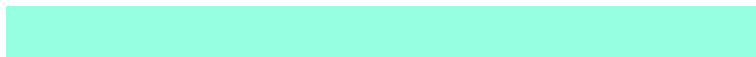
83.5356, 0.2706, 0.2603



83.5356, 0.3985, 0.3641

# Complementary

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



83.5356, 0.2704, 0.3636



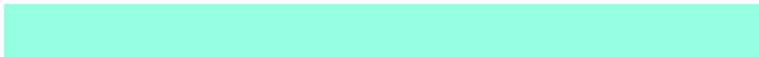
46.7544, 0.3864, 0.2978

# 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.



83.5356, 0.3872, 0.3296



83.5356, 0.2704, 0.3636



83.5356, 0.3107, 0.2723

# Square

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



83.5356, 0.2704, 0.3636



83.5356, 0.2434, 0.2642



83.5356, 0.3541, 0.2969



83.5356, 0.3851, 0.3929



# Rectangle

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



83.5356, 0.2704, 0.3636



83.5356, 0.2347, 0.2958



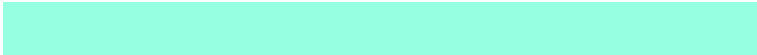
83.5356, 0.3541, 0.2969



83.5356, 0.3976, 0.3528

# Sweetspot

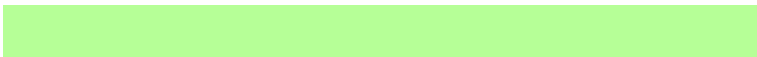
The Sweet Spot groups the original color and five complimentary colors.



83.5390, 0.2704, 0.3636



94.0955, 0.2991, 0.3379



83.7283, 0.3251, 0.4485



20.0146, 0.2976, 0.3389



0.0000, 0.0000, 0.0000

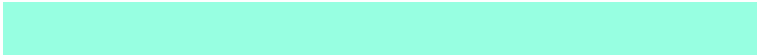


21.4041, 0.3127, 0.3290



# Same Dimension

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



83.5390, 0.2704, 0.3636



81.3813, 0.2640, 0.3720



72.7711, 0.2528, 0.3051



20.3868, 0.3019, 0.3360



39.1501, 0.2516, 0.4258



3.8309, 0.2482, 0.4134



# Inverse Universe

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



46.7544, 0.3864, 0.2978



39.9956, 0.4096, 0.2919



52.9465, 0.4082, 0.3511



18.0733, 0.3249, 0.3222



11.3864, 0.5809, 0.2974

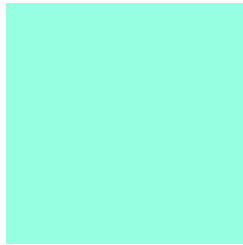


1.1266, 0.5489, 0.2797



# Previews

## White Background



This preview shows how the Yxy color 83.5356, 0.2704, 0.3636 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

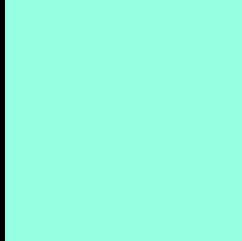
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.5356, 0.2704, 0.3636 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

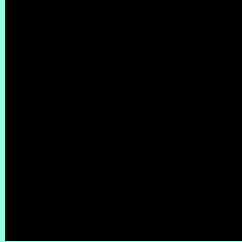
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

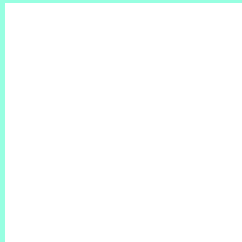
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.5356, 0.2704, 0.3636**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.5356, 0.2704, 0.3636.

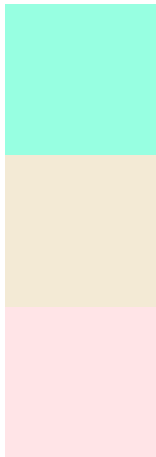


This preview shows how white text looks on a background with the Yxy color 83.5356, 0.2704, 0.3636.

# 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

83.5356, 0.2704, 0.3636

### Protanopia

82.7044, 0.3323, 0.3506

### Deuteranopia

82.5163, 0.3296, 0.3261



## Tritanopia

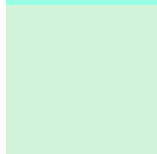
83.0569, 0.2773, 0.3161

# Trichromacy



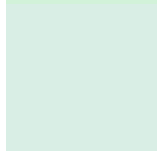
## Original Color

83.5356, 0.2704, 0.3636



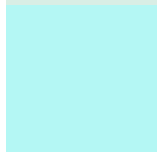
## Protanomaly

82.2157, 0.3069, 0.3561



## Deuteranomaly

81.5579, 0.3044, 0.3386



## Tritanomaly

82.7565, 0.2746, 0.3322

# Monochromacy



## Original Color

83.5356, 0.2704, 0.3636



## 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 83.5356, 0.2704, 0.3636 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(151, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(151, 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(151, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 83.5356, 0.2704, 0.3636 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(151, 255, 225) }
```

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

```
.border{ border-color:rgb(151, 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(151, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(151, 255,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.5356, 0.2704, 0.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 225) }
```

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

```
.background{ background-color: rgb(151,  
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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