

# Converting Colors

Yxy(83.6631, 0.2626, 0.3359)

Have a look what the booklet for  
Yxy(83.6631, 0.2626, 0.3359)  
contains.

<b>Yxy(83.4427, 0.2628, 0.3356)</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(83.4427, 0.2628, 0.3356)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DFCF6
RGB	157, 252, 246
RGB Percent	62%, 99%, 96%
CMY	0.3845, 0.0117, 0.0353
CMYK	0.38, 0.00, 0.02, 0.01
HSL	176°, 94%, 80%
HSV	176°, 38%, 99%
XYZ	65.3419, 83.4427, 99.8528
YIQ	222.9110, -54.6940, -22.0060

# Conversions

## Conversions Part 2

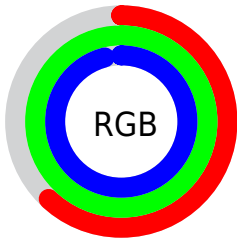
Format	Color
<b>RYB</b>	157, 206, 252
Decimal	10353910
CIELab	93.21, -29.44, -6.02
CIELCh	93, 30.046, 191.560
Yxy	83.4427, 0.2628, 0.3356
Android (android.graphics.Color)	4288543990 (0xFF9DFCF6)
YUV	222.9110, 11.3829, -57.8039
Hunter-Lab	91.3470, -32.1734, -0.8679

# Details

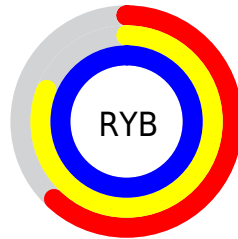
The Yxy color **83.4427, 0.2628, 0.3356** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.4374, 0.4002, 0.3229**, and the grayscale version is **73.6662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **45.4572, 0.2519, 0.3362** is the 20% darker color. If you saturate the color by 10%, you get **81.0708, 0.2527, 0.3376**, and if you desaturate by 10%, it is **86.3447, 0.2745, 0.3337**.

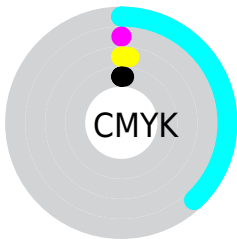
# Distribution



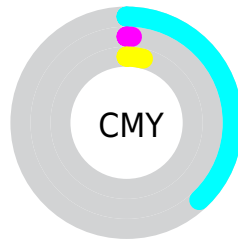
- Red (62%)
- Green (99%)
- Blue (96%)



- Red (62%)
- Yellow (81%)
- Blue (99%)



- Cyan (38%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)




- Cyan (38%)
- Magenta (1%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4427, 0.2628, 0.3356 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 83.4427, 0.2628, 0.3356 by changing the saturation by 10% instead.





 83.4427, 0.2628,  
0.3356


 83.4427, 0.2628,  
0.3356

506.4607, 0.2850,  
0.3330

 62.5554, 0.2579,  
0.3361


 138.1953, 0.2704,  
0.3348

 45.4816, 0.2520,  
0.3367


 172.8295, 0.2733,  
0.3344

 31.8370, 0.2446,  
0.3373


212.8147, 0.2759,  
0.3341

 21.2370, 0.2353,  
0.3381

258.5354, 0.2782,  
0.3338

 13.2974, 0.2230,  
0.3389

310.3759, 0.2802,  
0.3336

 7.6336, 0.2062,  
0.3396


368.7207, 0.2820,


 3.8614, 0.1820,

0.3334


0.3399


433.9542, 0.2836,  
0.3332

 1.5963, 0.1426,  
0.3392


 0.3551, 0.0000,  
0.3054


 83.4427, 0.2628,  
0.3356


 83.4427, 0.2628,  
0.3356

 81.0708, 0.2527,  
0.3376

 86.3447, 0.2745,  
0.3337


 79.1868, 0.2444,  
0.3397

 89.7965, 0.2874,  
0.3319

 77.7579, 0.2381,  
0.3419

 93.8288, 0.3014,  
0.3302

 76.7433, 0.2337,  
0.3440

 97.9411, 0.3144,  
0.3287

76.0947, 0.2312,  
0.3461

98.0427, 0.3134,  
0.3271

75.7481, 0.2303,  
0.3482

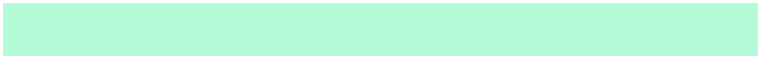
98.1090, 0.3128,  
0.3262

75.6899, 0.2302,  
0.3487

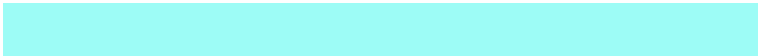
# Harmonies

## Analogous

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



83.4427, 0.2897, 0.3676



83.4427, 0.2628, 0.3356



83.4427, 0.2492, 0.3037

# Triad

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



83.4427, 0.2628, 0.3356



83.4427, 0.2987, 0.2775



83.4427, 0.3773, 0.3739

# Complementary

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



83.4427, 0.2628, 0.3356



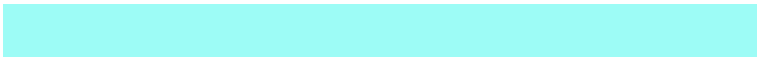
47.4374, 0.4002, 0.3229

# 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.



83.4427, 0.3807, 0.3482



83.4427, 0.2628, 0.3356



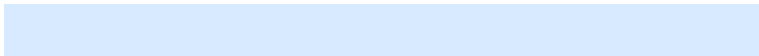
83.4427, 0.3339, 0.2945

# Square

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



83.4427, 0.2628, 0.3356



83.4427, 0.2690, 0.2724



83.4427, 0.3645, 0.3197

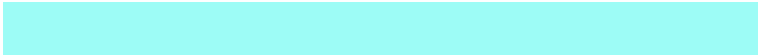


83.4427, 0.3561, 0.3894



# Rectangle

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



83.4427, 0.2628, 0.3356



83.4427, 0.2489, 0.2873



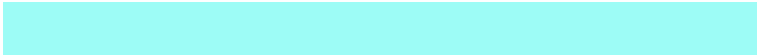
83.4427, 0.3645, 0.3197



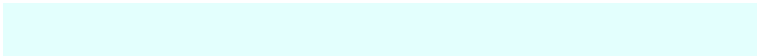
83.4427, 0.3807, 0.3661

# Sweetspot

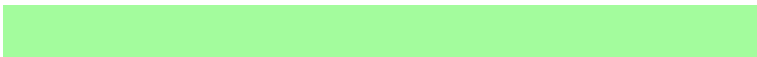
The Sweet Spot groups the original color and five complimentary colors.



83.4460, 0.2628, 0.3356



94.9491, 0.2967, 0.3307



79.8784, 0.3110, 0.4431



20.2009, 0.2948, 0.3310



0.0000, 0.0000, 0.0000

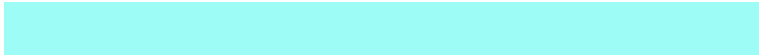


21.4041, 0.3127, 0.3290



# Same Dimension

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



83.4460, 0.2628, 0.3356



83.8788, 0.2553, 0.3371



60.6905, 0.2529, 0.2805



19.5885, 0.2989, 0.3305



39.4315, 0.2301, 0.3484



3.6576, 0.2294, 0.3458



# Inverse Universe

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



47.4374, 0.4002, 0.3229



42.2117, 0.4266, 0.3218



63.5842, 0.3894, 0.3725



17.2430, 0.3284, 0.3275



10.8069, 0.6336, 0.3264

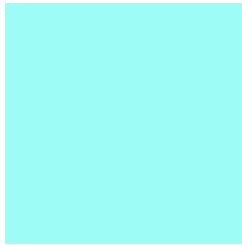


1.0069, 0.6182, 0.3179



# Previews

## White Background



This preview shows how the Yxy color 83.4427, 0.2628, 0.3356 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

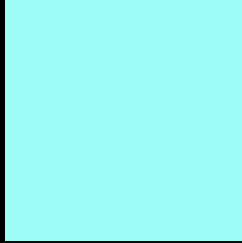
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.4427, 0.2628, 0.3356 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

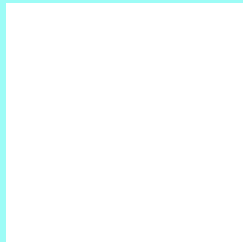
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.4427, 0.2628, 0.3356**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.4427, 0.2628, 0.3356.

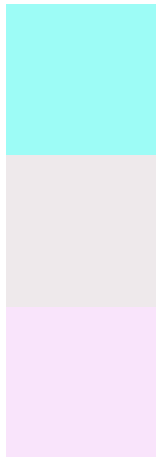


This preview shows how white text looks on a background with the Yxy color 83.4427, 0.2628, 0.3356.

# 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

83.4427, 0.2628, 0.3356

### Protanopia

82.4531, 0.3148, 0.3270

### Deuteranopia

82.5916, 0.3124, 0.3064



## Tritanopia

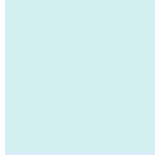
83.1915, 0.2779, 0.3162

# Trichromacy



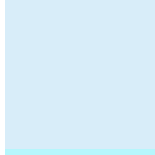
## Original Color

83.4427, 0.2628, 0.3356



## Protanomaly

82.1075, 0.2935, 0.3300



## Deuteranomaly

82.0069, 0.2921, 0.3164



## Tritanomaly

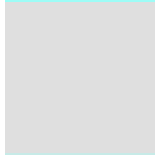
82.8849, 0.2715, 0.3224

# Monochromacy



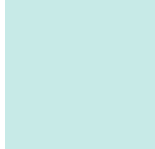
## Original Color

83.4427, 0.2628, 0.3356



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

76.7573, 0.2917, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.4427, 0.2628, 0.3356 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(157, 252, 246)` looks like.

```
.text, #text, p{  
    color:rgb(157, 252, 246)  
}
```

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(157, 252, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 252, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 83.4427, 0.2628, 0.3356 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(157, 252, 246) }
```

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

```
.border{ border-color:rgb(157, 252, 246) }
```

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

Here you see how a box with a 4 pixel rgb(157, 252, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 252, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 252, 246);  
box-shadow:4px 4px 4px 4px rgb(157, 252,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.4427, 0.2628, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 252, 246) }
```

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

```
.background{ background-color: rgb(157,  
252, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor