

# Converting Colors

$Yxy(83.9232, 0.2663, 0.3594)$

Have a look what the booklet for  
Yxy(83.9232, 0.2663, 0.3594)  
contains.

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# Color

**Yxy(83.2881, 0.2662, 0.3590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92FFE5
RGB	146, 255, 229
RGB Percent	57%, 100%, 90%
CMY	0.4274, 0.0000, 0.1019
CMYK	0.43, 0.00, 0.10, 0.00
HSL	166°, 100%, 79%
HSV	166°, 43%, 100%
XYZ	61.7585, 83.2881, 86.9537
YIQ	219.4450, -56.6180, -31.1940

# Conversions

## Conversions Part 2

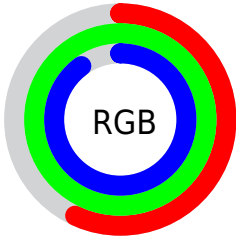
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 208, 255
Decimal	9633765
CIELab	93.14, -37.36, 2.62
CIELCh	93, 37.457, 175.992
Yxy	83.2881, 0.2662, 0.3590
Android (android.graphics.Color)	4287823845 (0xFF92FFE5)
YUV	219.4450, 4.7106, -64.4113
Hunter-Lab	91.2623, -38.9156, 7.3928

# Details

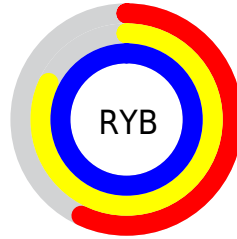
The Yxy color **83.2881, 0.2662, 0.3590** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.8000, 0.3975, 0.3020**, and the grayscale version is **71.1621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **45.5189, 0.2558, 0.3655** is the 20% darker color. If you saturate the color by 10%, you get **80.8734, 0.2584, 0.3674**, and if you desaturate by 10%, it is **86.2387, 0.2755, 0.3511**.

# Distribution



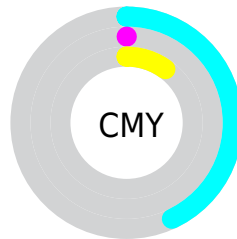
- Red (57%)
- Green (100%)
- Blue (90%)



- Red (57%)
- Yellow (82%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2881, 0.2662, 0.3590 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 83.2881, 0.2662, 0.3590 by changing the saturation by 10% instead.





 83.2881, 0.2662,  
0.3590

 83.2881, 0.2662,  
0.3590


505.9462, 0.2872,  
0.3453

 62.4278, 0.2615,  
0.3621


 137.9789, 0.2734,  
0.3543

 45.3785, 0.2558,  
0.3658


 172.5782, 0.2762,  
0.3525

 31.7557, 0.2487,  
0.3706

212.5260, 0.2787,  
0.3509

 21.1749, 0.2396,  
0.3767

258.2067, 0.2808,  
0.3495

 13.2519, 0.2274,  
0.3849

310.0047, 0.2827,  
0.3483

 7.6023, 0.2105,  
0.3965


368.3043, 0.2844,


 3.8415, 0.1857,


0.3472


0.4140


433.4900, 0.2859,  
0.3462


 1.5853, 0.1334,  
0.4496


 0.3477, 0.0000,  
0.6401


 83.2881, 0.2662,  
0.3590


 83.2881, 0.2662,  
0.3590

 80.8734, 0.2584,  
0.3674


 86.2387, 0.2755,  
0.3511


 78.9551, 0.2524,  
0.3761

 89.7529, 0.2860,  
0.3436

 77.4952, 0.2483,  
0.3850

 93.8614, 0.2974,  
0.3368

 76.4481, 0.2463,  
0.3940

 98.5916, 0.3094,  
0.3306

■ 75.7585, 0.2462,  
0.4029

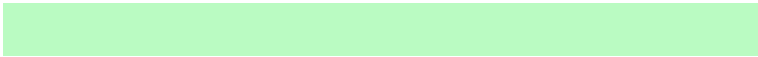
100.0000, 0.3127,  
0.3290

■ 75.4233, 0.2470,  
0.4094

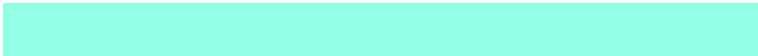
# Harmonies

## Analogous

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



83.2881, 0.3051, 0.3939



83.2881, 0.2662, 0.3590



83.2881, 0.2407, 0.3165

# Triad

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



83.2881, 0.2662, 0.3590



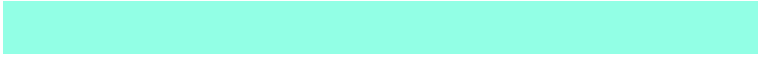
83.2881, 0.2745, 0.2606



83.2881, 0.3987, 0.3680

# Complementary

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



83.2881, 0.2662, 0.3590



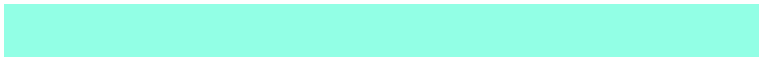
44.8000, 0.3975, 0.3020

# 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.



83.2881, 0.3902, 0.3336



83.2881, 0.2662, 0.3590



83.2881, 0.3158, 0.2743

# Square

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



83.2881, 0.2662, 0.3590



83.2881, 0.2454, 0.2625



83.2881, 0.3589, 0.3003

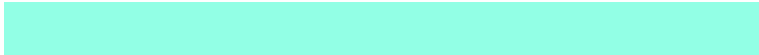


83.2881, 0.3825, 0.3957



# Rectangle

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



83.2881, 0.2662, 0.3590



83.2881, 0.2338, 0.2917



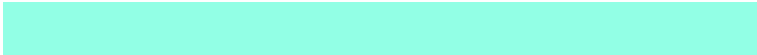
83.2881, 0.3589, 0.3003



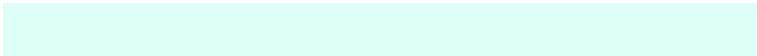
83.2881, 0.3987, 0.3569

# Sweetspot

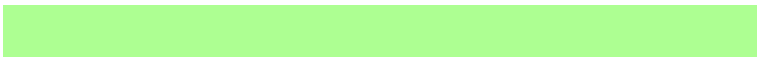
The Sweet Spot groups the original color and five complimentary colors.



83.2896, 0.2662, 0.3590



93.7471, 0.2971, 0.3370



82.5094, 0.3221, 0.4563



19.8612, 0.2945, 0.3384



0.0000, 0.0000, 0.0000

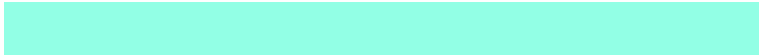


21.4041, 0.3127, 0.3290

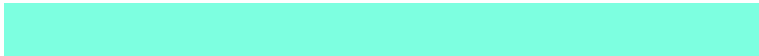


# Same Dimension

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



83.2896, 0.2662, 0.3590



81.2572, 0.2597, 0.3659



68.6829, 0.2492, 0.2972



20.4030, 0.3012, 0.3347



39.4348, 0.2466, 0.4079



3.8566, 0.2438, 0.3977



# Inverse Universe

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



44.8000, 0.3975, 0.3020



38.3137, 0.4235, 0.2974



53.3220, 0.4122, 0.3579



18.0581, 0.3257, 0.3234



11.3030, 0.5971, 0.3063

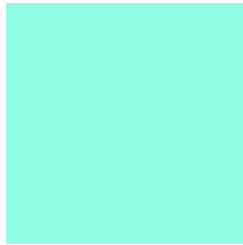


1.1167, 0.5659, 0.2891



# Previews

## White Background



This preview shows how the Yxy color 83.2881, 0.2662, 0.3590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

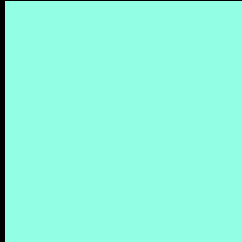
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.2881, 0.2662, 0.3590 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

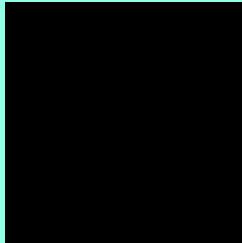
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.2881, 0.2662, 0.3590**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.2881, 0.2662, 0.3590.

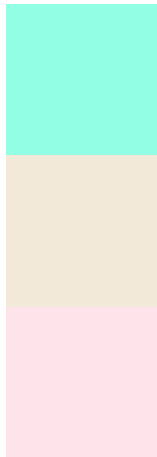


This preview shows how white text looks on a background with the Yxy color 83.2881, 0.2662, 0.3590.

# 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

83.2881, 0.2662, 0.3590

### Protanopia

82.1648, 0.3292, 0.3455

### Deuteranopia

82.1963, 0.3270, 0.3211



## Tritanopia

82.7905, 0.2762, 0.3161

# Trichromacy



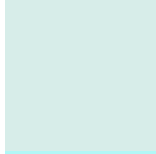
## Original Color

83.2881, 0.2662, 0.3590



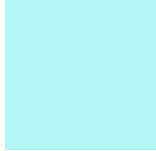
## Protanomaly

81.3964, 0.3027, 0.3508



## Deuteranomaly

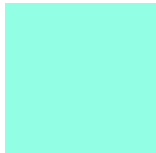
80.8986, 0.3008, 0.3332



## Tritanomaly

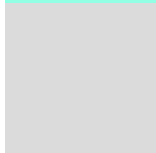
82.5225, 0.2720, 0.3300

# Monochromacy



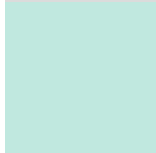
## Original Color

83.2881, 0.2662, 0.3590



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

74.2474, 0.2919, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.2881, 0.2662, 0.3590 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(146, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 229)  
}
```

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(146, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 83.2881, 0.2662, 0.3590 is called "border". The border property can be set on classes, ids or directly on the HTML element.

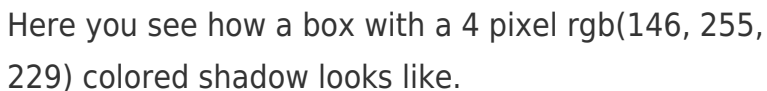
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 255, 229) }
```

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

```
.border{ border-color:rgb(146, 255, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(146, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 255, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 255, 229); box-shadow:4px 4px 4px 4px rgb(146, 255, 229) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.2881, 0.2662, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 229) }
```

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

```
.background{ background-color: rgb(146,  
255, 229) }
```

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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