

# Converting Colors

$Yxy(83.7470, 0.2781, 0.3741)$

Have a look what the booklet for  
Yxy(83.7470, 0.2781, 0.3741)  
contains.

<b>Yxy(83.7470, 0.2781, 0.3741)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(83.7470, 0.2781, 0.3741)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EFFD8
RGB	158, 255, 216
RGB Percent	62%, 100%, 85%
CMY	0.3804, 0.0000, 0.1529
CMYK	0.38, 0.00, 0.15, 0.00
HSL	156°, 100%, 81%
HSV	156°, 38%, 100%
XYZ	62.2562, 83.7470, 77.8594
YIQ	221.5510, -45.2930, -32.6930

# Conversions

## Conversions Part 2

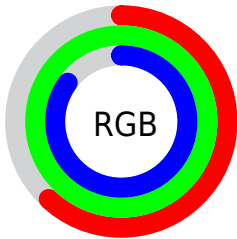
Format	Color
R <sub>Y</sub> B	158, 219, 255
Decimal	10420184
CIE Lab	93.34, -37.07, 9.67
CIE LCh	93, 38.308, 165.376
Yxy	83.7470, 0.2781, 0.3741
Android (android.graphics.Color)	4288610264 (0xFF9EFFD8)
YUV	221.5510, -2.7366, -55.7342
Hunter-Lab	91.5134, -38.7156, 13.6156

# Details

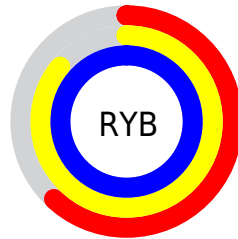
The Yxy color **83.7470, 0.2781, 0.3741** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.7437, 0.3687, 0.2886**, and the grayscale version is **72.7578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **45.7862, 0.2704, 0.3855** is the 20% darker color. If you saturate the color by 10%, you get **80.9108, 0.2711, 0.3885**, and if you desaturate by 10%, it is **87.1541, 0.2863, 0.3607**.

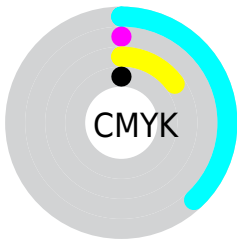
# Distribution



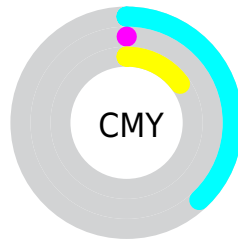
- Red (62%)
- Green (100%)
- Blue (85%)



- Red (62%)
- Yellow (86%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7470, 0.2781, 0.3741 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 83.7470, 0.2781, 0.3741 by changing the saturation by 10% instead.



 83.7470, 0.2781,  
0.3741


 83.7470, 0.2781,  
0.3741


507.4727, 0.2940,  
0.3531

 62.8066, 0.2745,  
0.3789


 138.6212, 0.2836,  
0.3668

 45.6847, 0.2701,  
0.3849


 173.3238, 0.2857,  
0.3639

 31.9971, 0.2645,  
0.3925


213.3825, 0.2876,  
0.3615

 21.3593, 0.2572,  
0.4025

259.1819, 0.2892,  
0.3594

 13.3869, 0.2473,  
0.4162

311.1061, 0.2906,  
0.3575

 7.6955, 0.2333,  
0.4361

369.5398, 0.2919,

 3.9007, 0.2119,

0.3559

0.4673

434.8672, 0.2930,  
0.3544

■ 1.6182, 0.1636,  
0.5307

■ 0.3698, 0.0000,  
1.0000

■ 83.7470, 0.2781,  
0.3741

■ 83.7470, 0.2781,  
0.3741

■ 80.9108, 0.2711,  
0.3885

■ 87.1541, 0.2863,  
0.3607

■ 78.6095, 0.2657,  
0.4037


■ 91.1611, 0.2953,  
0.3483


■ 76.8058, 0.2620,  
0.4194


■ 95.7976, 0.3048,  
0.3372

■ 75.4568, 0.2604,  
0.4353

100.0000, 0.3127,  
0.3290

 74.5121, 0.2608,  
0.4511

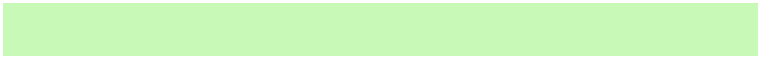
 73.9030, 0.2631,  
0.4663

 73.8041, 0.2637,  
0.4693

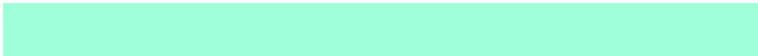
# Harmonies

## Analogous

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



83.7470, 0.3204, 0.4031



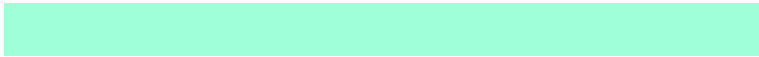
83.7470, 0.2781, 0.3741



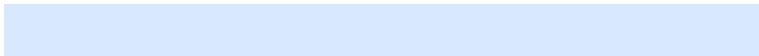
83.7470, 0.2465, 0.3313

# Triad

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



83.7470, 0.2781, 0.3741



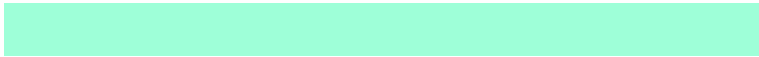
83.7470, 0.2614, 0.2580



83.7470, 0.4004, 0.3566

# Complementary

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



83.7470, 0.2781, 0.3741



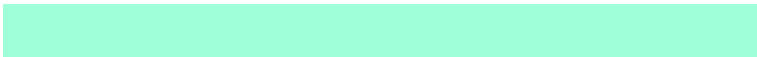
49.7437, 0.3687, 0.2886

# 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.



83.7470, 0.3828, 0.3211



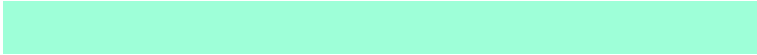
83.7470, 0.2781, 0.3741



83.7470, 0.3000, 0.2667

# Square

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



83.7470, 0.2781, 0.3741



83.7470, 0.2376, 0.2660



83.7470, 0.3449, 0.2892

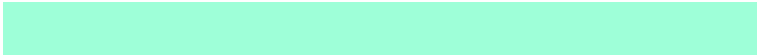


83.7470, 0.3923, 0.3884



# Rectangle

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



83.7470, 0.2781, 0.3741



83.7470, 0.2349, 0.3036



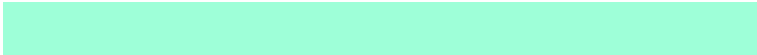
83.7470, 0.3449, 0.2892



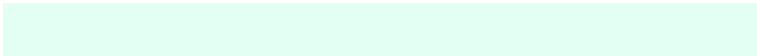
83.7470, 0.3973, 0.3448

# Sweetspot

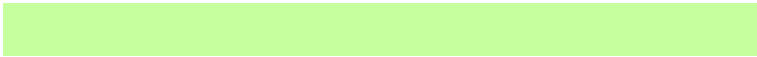
The Sweet Spot groups the original color and five complimentary colors.



83.7477, 0.2781, 0.3741



94.3579, 0.3019, 0.3403



86.0509, 0.3318, 0.4370



20.0594, 0.3006, 0.3418



0.0000, 0.0000, 0.0000

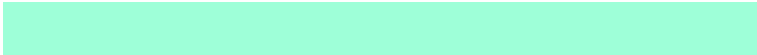


21.4041, 0.3127, 0.3290

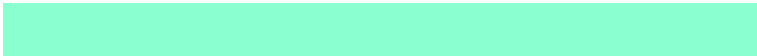


# Same Dimension

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



83.7477, 0.2781, 0.3741



81.4449, 0.2724, 0.3855



80.9595, 0.2583, 0.3198



20.3506, 0.3034, 0.3387



38.5946, 0.2630, 0.4668



3.7794, 0.2582, 0.4494



# Inverse Universe

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



49.7437, 0.3687, 0.2886



42.8470, 0.3862, 0.2803



51.0309, 0.4042, 0.3378



18.1080, 0.3231, 0.3195



11.6427, 0.5376, 0.2735

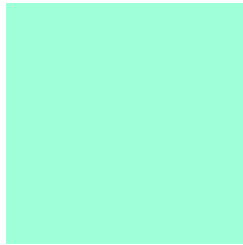


1.1545, 0.5076, 0.2570



# Previews

## White Background



This preview shows how the Yxy color 83.7470, 0.2781, 0.3741 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

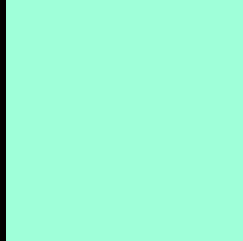
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.7470, 0.2781, 0.3741 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

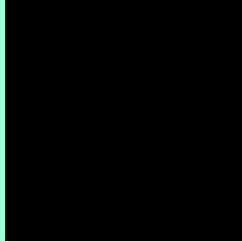
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.7470, 0.2781, 0.3741**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.7470, 0.2781, 0.3741.

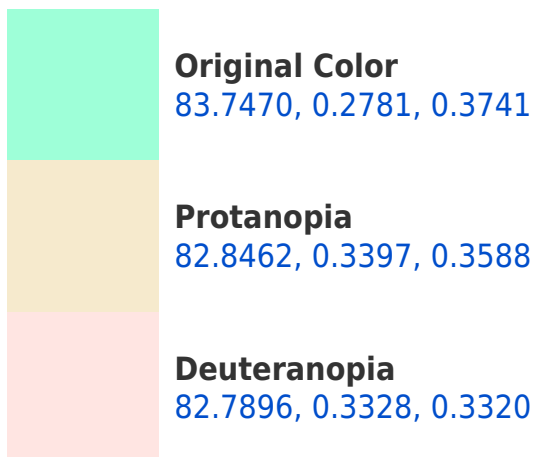


This preview shows how white text looks on a background with the Yxy color 83.7470, 0.2781, 0.3741.

# 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

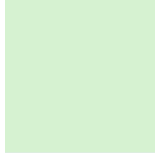
83.4633, 0.2790, 0.3162

# Trichromacy



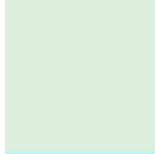
## Original Color

83.7470, 0.2781, 0.3741



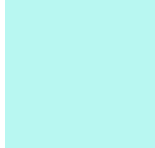
## Protanomaly

82.4039, 0.3143, 0.3648



## Deuteranomaly

81.6386, 0.3106, 0.3460



## Tritanomaly

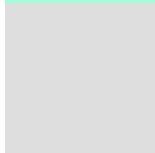
83.0627, 0.2783, 0.3355

# Monochromacy



## Original Color

83.7470, 0.2781, 0.3741



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

76.1551, 0.2982, 0.3446

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.7470, 0.2781, 0.3741 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(158, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 216)  
}
```

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(158, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 83.7470, 0.2781, 0.3741 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(158, 255, 216) }
```

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

```
.border{ border-color:rgb(158, 255, 216) }
```

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

Here you see how a box with a 4 pixel rgb(158, 255, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.7470, 0.2781, 0.3741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 216) }
```

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

```
.background{ background-color: rgb(158,  
255, 216) }
```

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