

# Converting Colors

$Yxy(73.5747, 0.2828, 0.4119)$

Have a look what the booklet for  
Yxy(73.5747, 0.2828, 0.4119)  
contains.

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# Color

**Yxy(73.5866, 0.2827, 0.4114)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85F5B4
RGB	133, 245, 180
RGB Percent	52%, 96%, 71%
CMY	0.4783, 0.0392, 0.2941
CMYK	0.46, 0.00, 0.27, 0.04
HSL	145°, 85%, 74%
HSV	145°, 46%, 96%
XYZ	50.5662, 73.5866, 54.7159
YIQ	204.1020, -45.8870, -43.9590

# Conversions

## Conversions Part 2

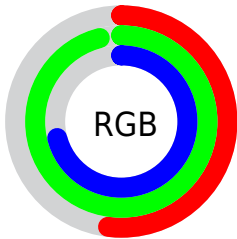
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 212, 245
Decimal	8779188
CIELab	88.73, -46.26, 21.56
CIElCh	89, 51.039, 155.016
Yxy	73.5866, 0.2827, 0.4114
Android (android.graphics.Color)	4286969268 (0xFF85F5B4)
YUV	204.1020, -11.8823, -62.3565
Hunter-Lab	85.7826, -44.8994, 22.2301

# Details

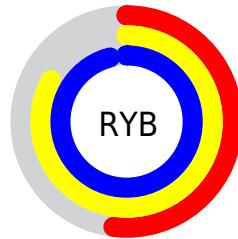
The Yxy color **73.5866, 0.2827, 0.4114** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **40.2744, 0.3634, 0.2602**, and the grayscale version is **60.5551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6525, 0.2853, 0.3494**, and **38.9546, 0.2741, 0.4334** is the 20% darker color. If you saturate the color by 10%, you get **71.2718, 0.2785, 0.4337**, and if you desaturate by 10%, it is **76.4319, 0.2882, 0.3904**.

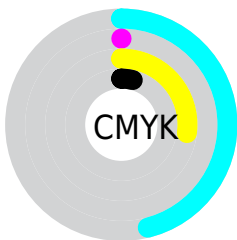
# Distribution



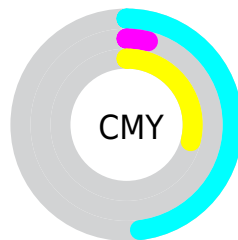
- Red (52%)
- Green (96%)
- Blue (71%)



- Red (52%)
- Yellow (83%)
- Blue (96%)



- Cyan (46%)
- Magenta (0%)
- Yellow (27%)
- Black (4%)




- Cyan (48%)
- Magenta (4%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5866, 0.2827, 0.4114 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 73.5866, 0.2827, 0.4114 by changing the saturation by 10% instead.





 73.5866, 0.2827,  
0.4114

 73.5866, 0.2827,  
0.4114

473.0454, 0.2976,  
0.3712


 54.4558, 0.2790,  
0.4211


 124.3096, 0.2881,  
0.3970

 38.9661, 0.2744,  
0.4334


 156.6706, 0.2901,  
0.3916

 26.7334, 0.2682,  
0.4493


 194.2103, 0.2918,  
0.3869

 17.3731, 0.2598,  
0.4709

237.3133, 0.2933,  
0.3829

 10.5009, 0.2476,  
0.5015

286.3639, 0.2946,  
0.3794

 5.7323, 0.2287,  
0.5481


341.7465, 0.2957,

 2.6830, 0.1968,

0.3763

0.6277


403.8456, 0.2967,  
0.3736


 0.9686, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 73.5866, 0.2827,  
0.4114


 73.5866, 0.2827,  
0.4114


 71.2718, 0.2785,  
0.4337


 76.4319, 0.2882,  
0.3904

 69.4440, 0.2758,  
0.4566

 79.8301, 0.2945,  
0.3709

 68.0671, 0.2749,  
0.4795

 83.8130, 0.3014,  
0.3532


 67.0960, 0.2760,  
0.5015

 88.4073, 0.3086,  
0.3373

 66.4751, 0.2789,  
0.5218

 93.5377, 0.3155,  
0.3231

 66.2802, 0.2805,  
0.5299

 93.7855, 0.3132,  
0.3194

# Harmonies

## Analogous

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



73.5866, 0.3422, 0.4403



73.5866, 0.2827, 0.4114



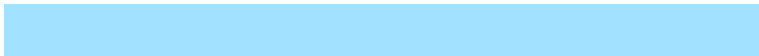
73.5866, 0.2342, 0.3526

# Triad

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



73.5866, 0.2827, 0.4114



73.5866, 0.2292, 0.2341



73.5866, 0.4305, 0.3472

# Complementary

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



73.5866, 0.2827, 0.4114



40.2744, 0.3634, 0.2602

# 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.



73.5866, 0.3944, 0.3013



73.5866, 0.2827, 0.4114



73.5866, 0.2745, 0.2392

# Square

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



73.5866, 0.2827, 0.4114



73.5866, 0.2062, 0.2513



73.5866, 0.3351, 0.2631



73.5866, 0.4302, 0.3935



# Rectangle

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



73.5866, 0.2827, 0.4114



73.5866, 0.2138, 0.3110



73.5866, 0.3351, 0.2631



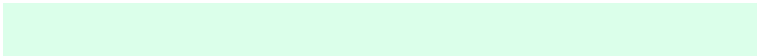
73.5866, 0.4222, 0.3315

# Sweetspot

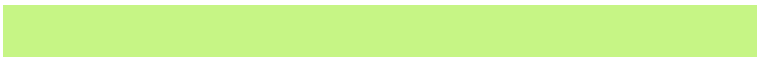
The Sweet Spot groups the original color and five complimentary colors.



73.5896, 0.2827, 0.4114



92.5830, 0.3026, 0.3504



79.0526, 0.3472, 0.4554



19.5976, 0.3010, 0.3540



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.



73.5896, 0.2827, 0.4114



78.1875, 0.2787, 0.4323



76.3314, 0.2557, 0.3399



18.5874, 0.3058, 0.3431



35.7323, 0.2797, 0.5269



3.1605, 0.2728, 0.5021



# Inverse Universe

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



40.2744, 0.3634, 0.2602



37.4578, 0.3788, 0.2475



38.1595, 0.4263, 0.3192



16.6439, 0.3202, 0.3153



11.5420, 0.4621, 0.2320

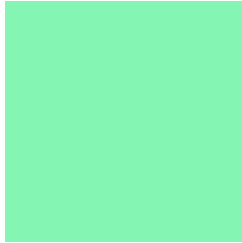


1.0349, 0.4395, 0.2195



# Previews

## White Background



This preview shows how the Yxy color 73.5866, 0.2827, 0.4114 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

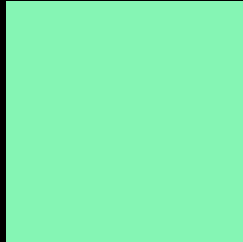
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.5866, 0.2827, 0.4114 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

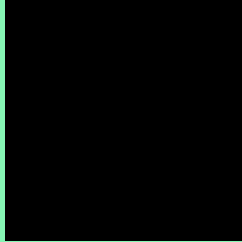
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.5866, 0.2827, 0.4114**

## Background



This preview shows how black text looks on a background with the Yxy color 73.5866, 0.2827, 0.4114.

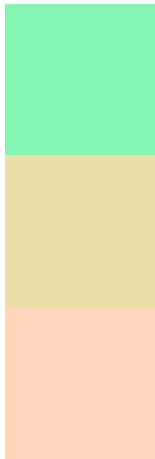


This preview shows how white text looks on a background with the Yxy color 73.5866, 0.2827, 0.4114.

# 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

73.5866, 0.2827, 0.4114

### Protanopia

72.5820, 0.3605, 0.3851

### Deuteranopia

72.4364, 0.3636, 0.3559



## Tritanopia

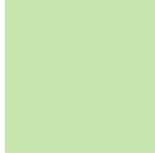
73.1517, 0.2534, 0.3071

# Trichromacy



## Original Color

73.5866, 0.2827, 0.4114



## Protanomaly

71.7529, 0.3274, 0.3956



## Deuteranomaly

71.1600, 0.3297, 0.3757



## Tritanomaly

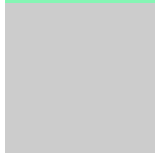
73.2083, 0.2637, 0.3432

# Monochromacy



## Original Color

73.5866, 0.2827, 0.4114



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

64.0681, 0.2995, 0.3584

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.5866, 0.2827, 0.4114 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(133, 245, 180)` looks like.

```
.text, #text, p{  
    color:rgb(133, 245, 180)  
}
```

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(133, 245, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 245, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 73.5866, 0.2827, 0.4114 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(133, 245, 180) }
```

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

```
.border{ border-color:rgb(133, 245, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 245, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 245, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 245, 180);  
box-shadow:4px 4px 4px 4px rgb(133, 245,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.5866, 0.2827, 0.4114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 245, 180) }
```

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

```
.background{ background-color: rgb(133,  
245, 180) }
```

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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