

# Converting Colors

$Yxy(74.9557, 0.2828, 0.4884)$

Have a look what the booklet for  
Yxy(74.9557, 0.2828, 0.4884)  
contains.

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# Color

**Yxy(74.9315, 0.2827, 0.4885)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4FFF87
RGB	79, 255, 135
RGB Percent	31%, 100%, 53%
CMY	0.6898, 0.0000, 0.4706
CMYK	0.69, 0.00, 0.47, 0.00
HSL	139°, 100%, 66%
HSV	139°, 69%, 100%
XYZ	43.3636, 74.9315, 35.0959
YIQ	188.6960, -66.3760, -74.6320

# Conversions

## Conversions Part 2

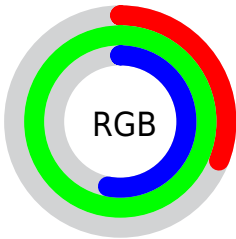
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">79, 213, 255</a>
Decimal	<a href="#">5242759</a>
CIELab	<a href="#">89.36, -69.23, 44.53</a>
CIELCh	<a href="#">89, 82.310, 147.250</a>
Yxy	<a href="#">74.9315, 0.2827, 0.4885</a>
Android (android.graphics.Color)	<a href="#">4283432839 (0xFF4FFF87)</a>
YUV	<a href="#">188.6960, -26.4721, -96.2034</a>
Hunter-Lab	<a href="#">86.5630, -62.0658, 36.5557</a>

# Details

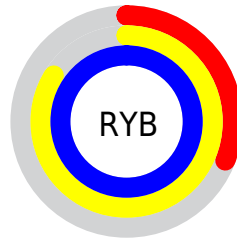
The Yxy color **74.9315, 0.2827, 0.4885** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **30.9960, 0.3813, 0.2174**, and the grayscale version is **50.9065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4407, 0.2855, 0.4073**, and **40.5570, 0.2797, 0.5270** is the 20% darker color. If you saturate the color by 10%, you get **73.5905, 0.2829, 0.5140**, and if you desaturate by 10%, it is **76.7780, 0.2842, 0.4619**.

# Distribution



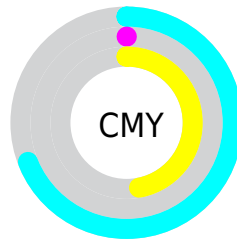
- Red (31%)
- Green (100%)
- Blue (53%)



- Red (31%)
- Yellow (84%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)




- Cyan (69%)
- Magenta (0%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9315, 0.2827, 0.4885 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 74.9315, 0.2827, 0.4885 by changing the saturation by 10% instead.




 74.9315, 0.2827,  
0.4885


 74.9315, 0.2827,  
0.4885


477.6821, 0.3004,  
0.4088

 55.5568, 0.2776,  
0.5079


 126.2154, 0.2896,  
0.4598

 39.8477, 0.2708,  
0.5325


 158.8933, 0.2921,  
0.4489

 27.4198, 0.2613,  
0.5642


 196.7745, 0.2941,  
0.4397

 17.8888, 0.2474,  
0.6065

 240.2433, 0.2958,  
0.4317

 10.8701, 0.2259,  
0.6643

289.6840, 0.2972,  
0.4249

 5.9796, 0.1930,  
0.7533


345.4811, 0.2984,

 2.8327, 0.1092,


0.4188


0.8908


408.0190, 0.2995,  
0.4135

 1.0450, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.9315, 0.2827,  
0.4885


 74.9315, 0.2827,  
0.4885


 73.5905, 0.2829,  
0.5140


 76.7780, 0.2842,  
0.4619


 72.6909, 0.2848,  
0.5371

 79.1672, 0.2872,  
0.4354


 72.1568, 0.2881,  
0.5567

 82.1433, 0.2913,  
0.4098

 72.1129, 0.2885,  
0.5586

 85.7431, 0.2963,  
0.3860

 90.0005, 0.3018,  
0.3642

 94.9468, 0.3075,  
0.3447

99.9985, 0.3127,  
0.3290

# Harmonies

## Analogous

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



74.9315, 0.3730, 0.5090



74.9315, 0.2827, 0.4885



74.9315, 0.2054, 0.3935

# Triad

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



74.9315, 0.2827, 0.4885



74.9315, 0.1759, 0.1900



74.9315, 0.4911, 0.3300

# Complementary

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



74.9315, 0.2827, 0.4885



30.9960, 0.3813, 0.2174

# 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.



74.9315, 0.4201, 0.2683



74.9315, 0.2827, 0.4885



74.9315, 0.2316, 0.1918

# Square

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



74.9315, 0.2827, 0.4885



74.9315, 0.1528, 0.2190



74.9315, 0.3193, 0.2195



74.9315, 0.5000, 0.3974



# Rectangle

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



74.9315, 0.2827, 0.4885



74.9315, 0.1719, 0.3198



74.9315, 0.3193, 0.2195



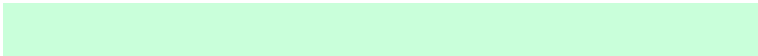
74.9315, 0.4735, 0.3086

# Sweetspot

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



74.9346, 0.2827, 0.4885



89.0863, 0.3006, 0.3685



84.2678, 0.3673, 0.5090



18.8102, 0.2991, 0.3744



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.



74.9346, 0.2827, 0.4885



73.1800, 0.2835, 0.5236



78.4998, 0.2457, 0.3689



20.2633, 0.3072, 0.3456



37.7051, 0.2877, 0.5557



3.6901, 0.2814, 0.5331



# Inverse Universe

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



30.9960, 0.3813, 0.2174



26.6335, 0.4007, 0.2086



28.0228, 0.5045, 0.3012



18.1964, 0.3187, 0.3129



12.7336, 0.4216, 0.2096

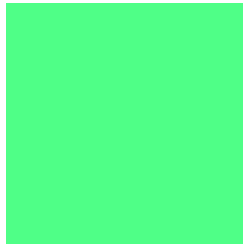


1.2597, 0.4072, 0.2017



# Previews

## White Background



This preview shows how the Yxy color 74.9315, 0.2827, 0.4885 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 74.9315, 0.2827, 0.4885 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 74.9315, 0.2827, 0.4885**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.9315, 0.2827, 0.4885.

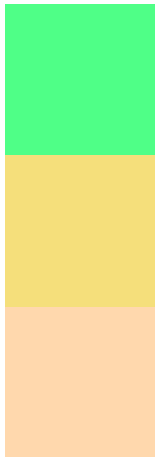


This preview shows how white text looks on a background with the Yxy color 74.9315, 0.2827, 0.4885.

# 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

74.9315, 0.2827, 0.4885

### Protanopia

73.6179, 0.3963, 0.4315

### Deuteranopia

73.3889, 0.3731, 0.3734



## Tritanopia

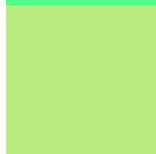
74.1199, 0.2494, 0.3093

# Trichromacy



## Original Color

74.9315, 0.2827, 0.4885



## Protanomaly

71.2633, 0.3436, 0.4573



## Deuteranomaly

70.1732, 0.3304, 0.4137



## Tritanomaly

73.3265, 0.2611, 0.3702

# Monochromacy



## Original Color

74.9315, 0.2827, 0.4885



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

56.8426, 0.2961, 0.3882

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9315, 0.2827, 0.4885 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(79, 255, 135)` looks like.

```
.text, #text, p{  
    color:rgb(79, 255, 135)  
}
```

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(79, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 255, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9315, 0.2827, 0.4885 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(79, 255, 135) }
```

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

```
.border{ border-color:rgb(79, 255, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 255, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(79, 255,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9315, 0.2827, 0.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 255, 135) }
```

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

```
.background{ background-color: rgb(79, 255,  
135) }
```

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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