

# Converting Colors

$Yxy(74.8693, 0.2792, 0.4825)$

Have a look what the booklet for  
Yxy(74.8693, 0.2792, 0.4825)  
contains.

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# Color

**Yxy(74.8693, 0.2792, 0.4825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4AFF8C
RGB	74, 255, 140
RGB Percent	29%, 100%, 55%
CMY	0.7094, 0.0000, 0.4510
CMYK	0.71, 0.00, 0.45, 0.00
HSL	142°, 100%, 65%
HSV	142°, 71%, 100%
XYZ	43.3233, 74.8693, 36.9769
YIQ	187.7710, -70.9610, -74.1370

# Conversions

## Conversions Part 2

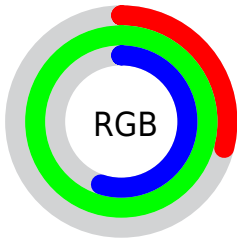
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 207, 255
Decimal	4915084
CIELab	89.33, -69.22, 42.07
CIELCh	89, 81.002, 148.710
Yxy	74.8693, 0.2792, 0.4825
Android (android.graphics.Color)	4283105164 (0xFF4AFF8C)
YUV	187.7710, -23.5511, -99.7772
Hunter-Lab	86.5270, -62.0489, 35.2316

# Details

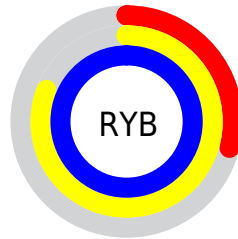
The Yxy color **74.8693, 0.2792, 0.4825** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **29.8503, 0.3949, 0.2229**, and the grayscale version is **50.3370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3894, 0.2816, 0.4013**, and **40.6371, 0.2775, 0.5190** is the 20% darker color. If you saturate the color by 10%, you get **73.6119, 0.2796, 0.5066**, and if you desaturate by 10%, it is **76.6132, 0.2806, 0.4575**.

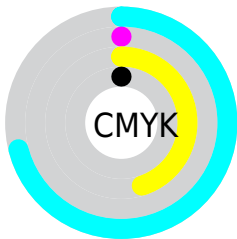
# Distribution



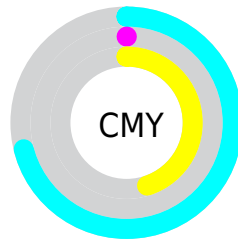
- Red (29%)
- Green (100%)
- Blue (55%)



- Red (29%)
- Yellow (81%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (71%)
- Magenta (0%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8693, 0.2792, 0.4825 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 74.8693, 0.2792, 0.4825 by changing the saturation by 10% instead.




 74.8693, 0.2792,  
0.4825

 74.8693, 0.2792,  
0.4825


477.4682, 0.2982,  
0.4058


 55.5058, 0.2739,  
0.5013


 126.1273, 0.2865,  
0.4548


 39.8068, 0.2669,  
0.5250


 158.7907, 0.2891,  
0.4444

 27.3880, 0.2573,  
0.5557


 196.6561, 0.2913,  
0.4355

 17.8648, 0.2434,  
0.5968

 240.1080, 0.2931,  
0.4279

 10.8530, 0.2221,  
0.6536

289.5308, 0.2947,  
0.4212

 5.9681, 0.1888,  
0.7377


345.3088, 0.2960,

 2.8257, 0.1086,


0.4154


0.8914


407.8265, 0.2972,  
0.4103


 1.0414, 0.0000,  
1.0000

 0.0000, 0.0000,  
0.0000


 74.8693, 0.2792,  
0.4825


 74.8693, 0.2792,  
0.4825


 73.6119, 0.2796,  
0.5066


 76.6132, 0.2806,  
0.4575


 72.7760, 0.2819,  
0.5287

 78.8816, 0.2836,  
0.4326


 72.3071, 0.2851,  
0.5464

 81.7187, 0.2880,  
0.4086

 85.1616, 0.2933,  
0.3862

 89.2439, 0.2993,  
0.3656

 93.9970, 0.3056,  
0.3470

 99.4499, 0.3121,  
0.3305

 99.9989, 0.3127,  
0.3290

# Harmonies

## Analogous

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



74.8693, 0.3684, 0.5071



74.8693, 0.2792, 0.4825



74.8693, 0.2041, 0.3871

# Triad

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



74.8693, 0.2792, 0.4825



74.8693, 0.1795, 0.1912



74.8693, 0.4903, 0.3335

# Complementary

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



74.8693, 0.2792, 0.4825



29.8503, 0.3949, 0.2229

# 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.



74.8693, 0.4229, 0.2720



74.8693, 0.2792, 0.4825



74.8693, 0.2363, 0.1942

# Square

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



74.8693, 0.2792, 0.4825



74.8693, 0.1551, 0.2184



74.8693, 0.3241, 0.2228



74.8693, 0.4964, 0.4003



# Rectangle

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



74.8693, 0.2792, 0.4825



74.8693, 0.1720, 0.3153



74.8693, 0.3241, 0.2228



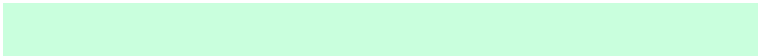
74.8693, 0.4740, 0.3122

# Sweetspot

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



74.8724, 0.2792, 0.4825



89.2181, 0.2993, 0.3657



83.1803, 0.3637, 0.5157



18.8412, 0.2976, 0.3712



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.



74.8724, 0.2792, 0.4825



73.2260, 0.2803, 0.5159



78.5729, 0.2425, 0.3623



20.2775, 0.3066, 0.3445



37.8087, 0.2843, 0.5434



3.7014, 0.2779, 0.5206



# Inverse Universe

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



29.8503, 0.3949, 0.2229



25.7987, 0.4182, 0.2167



27.1158, 0.5213, 0.3069



18.1815, 0.3194, 0.3140



12.5037, 0.4399, 0.2197

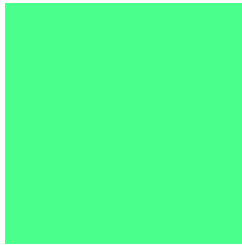


1.2384, 0.4227, 0.2102



# Previews

## White Background



This preview shows how the Yxy color 74.8693, 0.2792, 0.4825 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

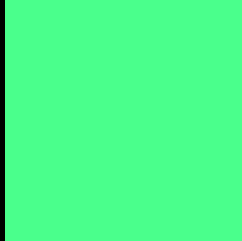
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.8693, 0.2792, 0.4825 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

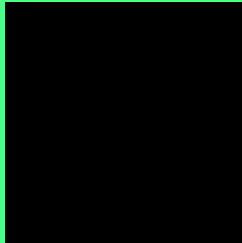
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.8693, 0.2792, 0.4825**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.8693, 0.2792, 0.4825.

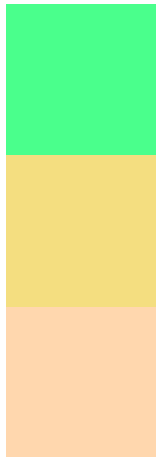


This preview shows how white text looks on a background with the Yxy color 74.8693, 0.2792, 0.4825.

# 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

74.8693, 0.2792, 0.4825

### Protanopia

73.0342, 0.3930, 0.4263

### Deuteranopia

72.9169, 0.3727, 0.3713



## Tritanopia

74.0318, 0.2490, 0.3092

# Trichromacy



## Original Color

74.8693, 0.2792, 0.4825



## Protanomaly

70.4567, 0.3390, 0.4517



## Deuteranomaly

70.0211, 0.3271, 0.4105



## Tritanomaly

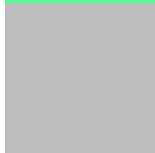
73.2874, 0.2593, 0.3676

# Monochromacy



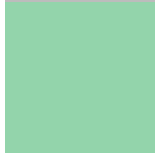
## Original Color

74.8693, 0.2792, 0.4825



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

56.2303, 0.2935, 0.3844

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.8693, 0.2792, 0.4825 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(74, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 140)  
}
```

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(74, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 74.8693, 0.2792, 0.4825 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(74, 255, 140) }
```

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

```
.border{ border-color:rgb(74, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.8693, 0.2792, 0.4825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 140) }
```

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

```
.background{ background-color: rgb(74, 255,  
140) }
```

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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