

# Converting Colors

$Yxy(75.0316, 0.2837, 0.4889)$

Have a look what the booklet for  
Yxy(75.0316, 0.2837, 0.4889)  
contains.

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# Color

**Yxy(75.0351, 0.2840, 0.4894)**

# Conversions

## Conversions Part 1

Format	Color
Hex	52FF86
RGB	82, 255, 134
RGB Percent	32%, 100%, 53%
CMY	0.6784, 0.0000, 0.4745
CMYK	0.68, 0.00, 0.47, 0.00
HSL	138°, 100%, 66%
HSV	138°, 68%, 100%
XYZ	43.5430, 75.0351, 34.7424
YIQ	189.4790, -64.2670, -74.3070

# Conversions

## Conversions Part 2

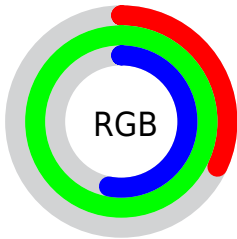
<b>Format</b>	<b>Color</b>
<b>RYB</b>	82, 215, 255
Decimal	5439366
CIELab	89.41, -68.91, 45.07
CIELCh	89, 82.338, 146.810
Yxy	75.0351, 0.2840, 0.4894
Android (android.graphics.Color)	4283629446 (0xFF52FF86)
YUV	189.4790, -27.3511, -94.2591
Hunter-Lab	86.6228, -61.8626, 36.8561

# Details

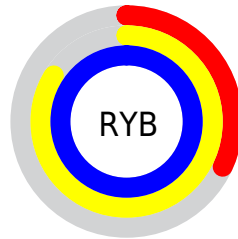
The Yxy color **75.0351, 0.2840, 0.4894** is a light color, and the websafe version is hex **33FF99**. The color can be described as light muted spring green. A complement of this color would be **31.6076, 0.3761, 0.2160**, and the grayscale version is **51.3661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5837, 0.2870, 0.4083**, and **40.5417, 0.2801, 0.5285** is the 20% darker color. If you saturate the color by 10%, you get **73.6403, 0.2840, 0.5154**, and if you desaturate by 10%, it is **76.9390, 0.2856, 0.4622**.

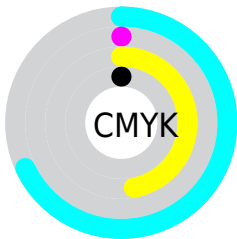
# Distribution



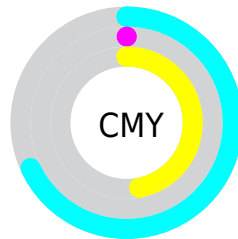
- Red (32%)
- Green (100%)
- Blue (53%)



- Red (32%)
- Yellow (84%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)




- Cyan (68%)
- Magenta (0%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0351, 0.2840, 0.4894 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 75.0351, 0.2840, 0.4894 by changing the saturation by 10% instead.




 75.0351, 0.2840,  
0.4894

 75.0351, 0.2840,  
0.4894


478.0382, 0.3011,  
0.4093

 55.6416, 0.2790,  
0.5089


 126.3620, 0.2908,  
0.4605


 39.9157, 0.2723,  
0.5335


 159.0643, 0.2932,  
0.4496

 27.4728, 0.2630,  
0.5654

 196.9717, 0.2951,  
0.4403

 17.9286, 0.2492,  
0.6077

 240.4685, 0.2967,  
0.4324

 10.8988, 0.2278,  
0.6654

289.9391, 0.2981,  
0.4254

 5.9988, 0.1953,  
0.7552


345.7681, 0.2993,

 2.8443, 0.1124,


0.4194


0.8876

408.3396, 0.3002,  
0.4140


 1.0510, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 75.0351, 0.2840,  
0.4894


 75.0351, 0.2840,  
0.4894


 73.6403, 0.2840,  
0.5154

 76.9390, 0.2856,  
0.4622


 72.6995, 0.2858,  
0.5390


 79.3971, 0.2886,  
0.4351


 72.1421, 0.2889,  
0.5589

 82.4503, 0.2927,  
0.4091

 72.0508, 0.2896,  
0.5627

 86.1357, 0.2975,  
0.3848

 90.4868, 0.3028,  
0.3627

 95.5352, 0.3084,  
0.3429

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



75.0351, 0.3743, 0.5086



75.0351, 0.2840, 0.4894



75.0351, 0.2064, 0.3951

# Triad

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



75.0351, 0.2840, 0.4894



75.0351, 0.1754, 0.1902



75.0351, 0.4904, 0.3291

# Complementary

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



75.0351, 0.2840, 0.4894



31.6076, 0.3761, 0.2160

# 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.



75.0351, 0.4187, 0.2675



75.0351, 0.2840, 0.4894



75.0351, 0.2305, 0.1916

# Square

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



75.0351, 0.2840, 0.4894



75.0351, 0.1527, 0.2197



75.0351, 0.3178, 0.2189



75.0351, 0.5003, 0.3964



# Rectangle

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



75.0351, 0.2840, 0.4894



75.0351, 0.1725, 0.3213



75.0351, 0.3178, 0.2189



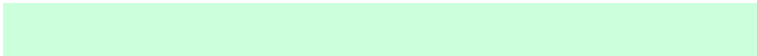
75.0351, 0.4725, 0.3077

# Sweetspot

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



75.0355, 0.2840, 0.4894



89.4892, 0.3017, 0.3673



84.8401, 0.3690, 0.5054



18.8868, 0.3001, 0.3734



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.



75.0355, 0.2840, 0.4894



73.2968, 0.2844, 0.5232



78.5027, 0.2473, 0.3719



20.2580, 0.3074, 0.3461



37.6710, 0.2888, 0.5598



3.6862, 0.2827, 0.5376



# Inverse Universe

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



31.6076, 0.3761, 0.2160



27.2575, 0.3931, 0.2063



28.5707, 0.4956, 0.2984



18.2019, 0.3184, 0.3125



12.8235, 0.4151, 0.2060

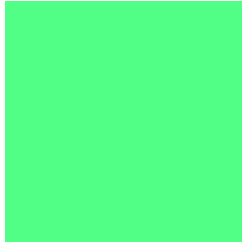


1.2679, 0.4017, 0.1987



# Previews

## White Background



This preview shows how the Yxy color 75.0351, 0.2840, 0.4894 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 75.0351, 0.2840, 0.4894 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

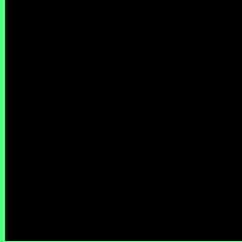
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.0351, 0.2840, 0.4894**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.0351, 0.2840, 0.4894.

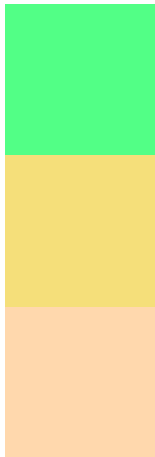


This preview shows how white text looks on a background with the Yxy color 75.0351, 0.2840, 0.4894.

# 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

75.0351, 0.2840, 0.4894

### Protanopia

73.5930, 0.3969, 0.4324

### Deuteranopia

73.3889, 0.3731, 0.3734



## Tritanopia

74.2984, 0.2503, 0.3093

# Trichromacy



## Original Color

75.0351, 0.2840, 0.4894



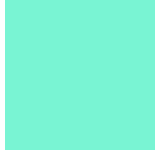
## Protanomaly

71.3621, 0.3449, 0.4581



## Deuteranomaly

70.3033, 0.3311, 0.4135



## Tritanomaly

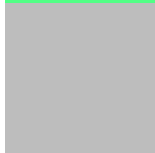
73.4695, 0.2619, 0.3701

# Monochromacy



## Original Color

75.0351, 0.2840, 0.4894



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

56.9371, 0.2967, 0.3881

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.0351, 0.2840, 0.4894 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(82, 255, 134)` looks like.

```
.text, #text, p{  
    color:rgb(82, 255, 134)  
}
```

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(82, 255, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 255, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 75.0351, 0.2840, 0.4894 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(82, 255, 134) }
```

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

```
.border{ border-color:rgb(82, 255, 134) }
```

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

Here you see how a box with a 4 pixel rgb(82, 255, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 255, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 255, 134);  
box-shadow:4px 4px 4px 4px rgb(82, 255,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.0351, 0.2840, 0.4894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 255, 134) }
```

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

```
.background{ background-color: rgb(82, 255,  
134) }
```

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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