

# Converting Colors

$Yxy(74.3823, 0.2862, 0.5057)$

Have a look what the booklet for  
Yxy(74.3823, 0.2862, 0.5057)  
contains.

<b>Yxy(74.3810, 0.2863, 0.5059)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(74.3810, 0.2863, 0.5059)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4AFF7A
RGB	74, 255, 122
RGB Percent	29%, 100%, 48%
CMY	0.7100, 0.0000, 0.5215
CMYK	0.71, 0.00, 0.52, 0.00
HSL	136°, 100%, 64%
HSV	136°, 71%, 100%
XYZ	42.0939, 74.3810, 30.5522
YIQ	185.7190, -65.1830, -79.7350

# Conversions

## Conversions Part 2

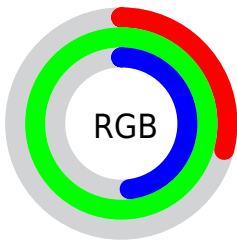
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 217, 255
Decimal	4915066
CIELab	89.10, -71.91, 50.28
CIELCh	89, 87.738, 145.039
Yxy	74.3810, 0.2863, 0.5059
Android (android.graphics.Color)	4283105146 (0xFF4AFF7A)
YUV	185.7190, -31.4135, -97.9776
Hunter-Lab	86.2444, -63.8061, 39.3675

# Details

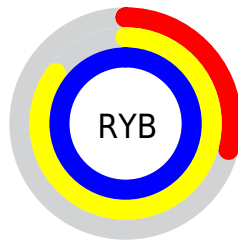
The Yxy color **74.3810, 0.2863, 0.5059** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **30.6521, 0.3722, 0.2077**, and the grayscale version is **49.1341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6236, 0.2904, 0.4242**, and **40.3622, 0.2854, 0.5475** is the 20% darker color. If you saturate the color by 10%, you get **73.1441, 0.2869, 0.5318**, and if you desaturate by 10%, it is **76.1131, 0.2873, 0.4780**.

# Distribution



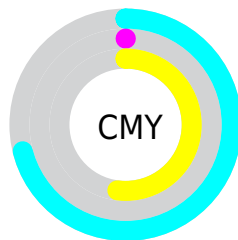
- Red (29%)
- Green (100%)
- Blue (48%)



- Red (29%)
- Yellow (85%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)




- Cyan (71%)
- Magenta (0%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3810, 0.2863, 0.5059 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 74.3810, 0.2863, 0.5059 by changing the saturation by 10% instead.




 74.3810, 0.2863,  
0.5059


 74.3810, 0.2863,  
0.5059


475.7873, 0.3033,  
0.4172


 55.1059, 0.2811,  
0.5275

 125.4358, 0.2932,  
0.4740

 39.4865, 0.2739,  
0.5546


 157.9842, 0.2956,  
0.4619

 27.1384, 0.2637,  
0.5894


 195.7260, 0.2976,  
0.4516

 17.6772, 0.2484,  
0.6352

 239.0453, 0.2991,  
0.4428

 10.7185, 0.2244,  
0.6965

288.3268, 0.3004,  
0.4351

 5.8779, 0.1921,  
0.8079


343.9546, 0.3015,

 2.7710, 0.0842,


0.4284


0.9158


406.3134, 0.3025,  
0.4225


 1.0134, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.3810, 0.2863,  
0.5059


 74.3810, 0.2863,  
0.5059


 73.1441, 0.2869,  
0.5318


 76.1131, 0.2873,  
0.4780


 72.3502, 0.2890,  
0.5542

 78.3954, 0.2896,  
0.4495

 71.9336, 0.2918,  
0.5705


 81.2687, 0.2931,  
0.4218

 84.7717, 0.2974,  
0.3956

 88.9396, 0.3021,  
0.3716

 93.8050, 0.3072,  
0.3500

 99.3983, 0.3122,  
0.3308

 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.



74.3810, 0.3814, 0.5187



74.3810, 0.2863, 0.5059



74.3810, 0.2033, 0.4069

# Triad

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



74.3810, 0.2863, 0.5059



74.3810, 0.1658, 0.1835



74.3810, 0.4994, 0.3235

# Complementary

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



74.3810, 0.2863, 0.5059



30.6521, 0.3722, 0.2077

# 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.



74.3810, 0.4197, 0.2601



74.3810, 0.2863, 0.5059



74.3810, 0.2211, 0.1836

# Square

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



74.3810, 0.2863, 0.5059



74.3810, 0.1441, 0.2157



74.3810, 0.3114, 0.2106



74.3810, 0.5127, 0.3933



# Rectangle

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



74.3810, 0.2863, 0.5059



74.3810, 0.1667, 0.3264



74.3810, 0.3114, 0.2106



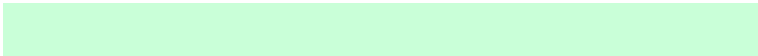
74.3810, 0.4792, 0.3014

# Sweetspot

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



74.3790, 0.2863, 0.5059



88.9406, 0.3021, 0.3716



85.6766, 0.3761, 0.5075



18.7760, 0.3008, 0.3780



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.



74.3790, 0.2863, 0.5059



72.7775, 0.2876, 0.5412



77.6137, 0.2497, 0.3863



20.2473, 0.3079, 0.3469



37.6077, 0.2911, 0.5678



3.6789, 0.2851, 0.5462



# Inverse Universe

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



30.6521, 0.3722, 0.2077



26.7147, 0.3877, 0.1989



27.4871, 0.4958, 0.2898



18.2132, 0.3179, 0.3117



13.0165, 0.4021, 0.1989

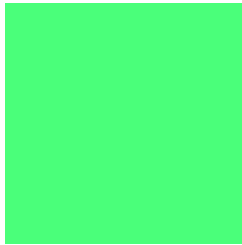


1.2855, 0.3907, 0.1926



# Previews

## White Background



This preview shows how the Yxy color 74.3810, 0.2863, 0.5059 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 74.3810, 0.2863, 0.5059 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 74.3810, 0.2863, 0.5059**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.3810, 0.2863, 0.5059.

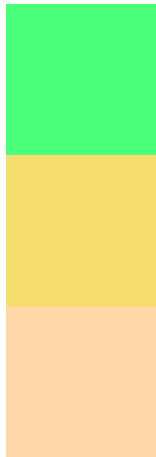


This preview shows how white text looks on a background with the Yxy color 74.3810, 0.2863, 0.5059.

# 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

74.3810, 0.2863, 0.5059

### Protanopia

72.8027, 0.4039, 0.4412

### Deuteranopia

72.6880, 0.3771, 0.3775



## Tritanopia

73.7723, 0.2477, 0.3092

# Trichromacy



## Original Color

74.3810, 0.2863, 0.5059



## Protanomaly

70.1507, 0.3488, 0.4701



## Deuteranomaly

69.6468, 0.3339, 0.4238



## Tritanomaly

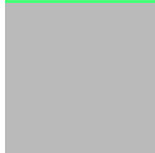
72.8512, 0.2613, 0.3756

# Monochromacy



## Original Color

74.3810, 0.2863, 0.5059



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

55.2526, 0.2971, 0.3948

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.3810, 0.2863, 0.5059 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 74.3810, 0.2863, 0.5059 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, 122) }
```

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

```
.border{ border-color:rgb(74, 255, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.3810, 0.2863, 0.5059 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, 122) }
```

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

```
.background{ background-color: rgb(74, 255,  
122) }
```

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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