

# Converting Colors

$Yxy(74.7854, 0.2767, 0.4790)$

Have a look what the booklet for  
Yxy(74.7854, 0.2767, 0.4790)  
contains.

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# Color

**Yxy(74.7684, 0.2766, 0.4790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45FF8F
RGB	69, 255, 143
RGB Percent	27%, 100%, 56%
CMY	0.7292, 0.0000, 0.4391
CMYK	0.73, 0.00, 0.44, 0.00
HSL	144°, 100%, 64%
HSV	144°, 73%, 100%
XYZ	43.1752, 74.7684, 38.1491
YIQ	186.6180, -74.9040, -74.2640

# Conversions

## Conversions Part 2

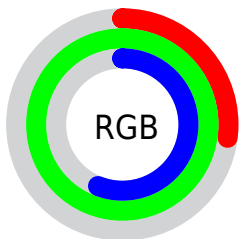
Format	Color
<a href="#">RYB</a>	<a href="#">69, 202, 255</a>
Decimal	<a href="#">4587407</a>
CIELab	<a href="#">89.28, -69.45, 40.53</a>
CIELCh	<a href="#">89, 80.415, 149.735</a>
Yxy	<a href="#">74.7684, 0.2766, 0.4790</a>
Android (android.graphics.Color)	<a href="#">4282777487 (0xFF45FF8F)</a>
YUV	<a href="#">186.6180, -21.5037, -103.1510</a>
Hunter-Lab	<a href="#">86.4687, -62.1923, 34.3700</a>

# Details

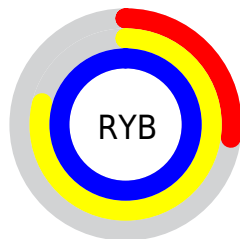
The Yxy color **74.7684, 0.2766, 0.4790** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **28.8588, 0.4067, 0.2270**, and the grayscale version is **49.6311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1727, 0.2782, 0.3978**, and **40.6878, 0.2761, 0.5141** is the 20% darker color. If you saturate the color by 10%, you get **73.5951, 0.2773, 0.5020**, and if you desaturate by 10%, it is **76.4101, 0.2778, 0.4552**.

# Distribution



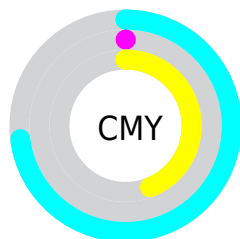
- Red (27%)
- Green (100%)
- Blue (56%)



- Red (27%)
- Yellow (79%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (73%)
- Magenta (0%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7684, 0.2766, 0.4790 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 74.7684, 0.2766, 0.4790 by changing the saturation by 10% instead.




 74.7684, 0.2766,  
0.4790

 74.7684, 0.2766,  
0.4790


477.1212, 0.2966,  
0.4040

 55.4232, 0.2712,  
0.4974

 125.9845, 0.2842,  
0.4520


 39.7406, 0.2640,  
0.5206


 158.6241, 0.2870,  
0.4417

 27.3364, 0.2542,  
0.5508


 196.4640, 0.2893,  
0.4330

 17.8260, 0.2401,  
0.5912

 239.8885, 0.2912,  
0.4256

 10.8251, 0.2188,  
0.6473

289.2821, 0.2928,  
0.4191

 5.9494, 0.1853,  
0.7293

345.0292, 0.2943,

 2.8143, 0.1060,

0.4135

0.8940

407.5140, 0.2955,  
0.4085

■ 1.0356, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 74.7684, 0.2766,  
0.4790

■ 74.7684, 0.2766,  
0.4790

■ 73.5951, 0.2773,  
0.5020

■ 76.4101, 0.2778,  
0.4552

■ 72.8257, 0.2798,  
0.5232

■ 78.5617, 0.2808,  
0.4315

■ 72.4683, 0.2824,  
0.5368

■ 81.2671, 0.2852,  
0.4086

■ 84.5637, 0.2907,  
0.3871

■ 88.4854, 0.2970,  
0.3673

■ 93.0635, 0.3037,  
0.3493

■ 98.3272, 0.3107,  
0.3333

■ 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.



74.7684, 0.3652, 0.5063



74.7684, 0.2766, 0.4790



74.7684, 0.2027, 0.3829

# Triad

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



74.7684, 0.2766, 0.4790



74.7684, 0.1816, 0.1916



74.7684, 0.4904, 0.3359

# Complementary

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



74.7684, 0.2766, 0.4790



28.8588, 0.4067, 0.2270

# 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.



74.7684, 0.4253, 0.2743



74.7684, 0.2766, 0.4790



74.7684, 0.2393, 0.1955

# Square

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



74.7684, 0.2766, 0.4790



74.7684, 0.1562, 0.2176



74.7684, 0.3274, 0.2247



74.7684, 0.4944, 0.4025



# Rectangle

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



74.7684, 0.2766, 0.4790



74.7684, 0.1716, 0.3121



74.7684, 0.3274, 0.2247



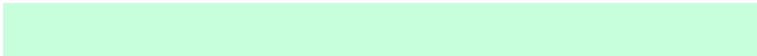
74.7684, 0.4749, 0.3145

# Sweetspot

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



74.7705, 0.2766, 0.4790



88.8805, 0.2976, 0.3655



82.1056, 0.3598, 0.5225



18.7793, 0.2959, 0.3707



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.



74.7705, 0.2766, 0.4790



73.1580, 0.2783, 0.5130



78.6874, 0.2393, 0.3555



20.2879, 0.3061, 0.3437



37.8937, 0.2816, 0.5337



3.7104, 0.2753, 0.5111



# Inverse Universe

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



28.8588, 0.4067, 0.2270



24.9625, 0.4347, 0.2234



26.2724, 0.5384, 0.3126



18.1708, 0.3199, 0.3148



12.3505, 0.4535, 0.2272

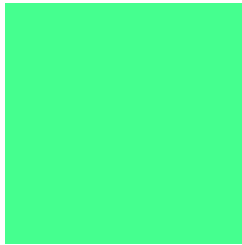


1.2241, 0.4342, 0.2166



# Previews

## White Background



This preview shows how the Yxy color 74.7684, 0.2766, 0.4790 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 74.7684, 0.2766, 0.4790 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 74.7684, 0.2766, 0.4790**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7684, 0.2766, 0.4790.

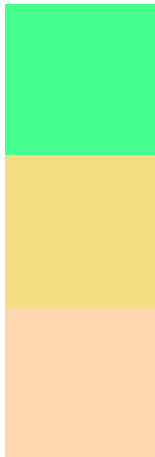


This preview shows how white text looks on a background with the Yxy color 74.7684, 0.2766, 0.4790.

# 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

74.7684, 0.2766, 0.4790

### Protanopia

72.9359, 0.3903, 0.4237

### Deuteranopia

72.9169, 0.3727, 0.3713



## Tritanopia

73.8580, 0.2481, 0.3092

# Trichromacy



## Original Color

74.7684, 0.2766, 0.4790



## Protanomaly

70.2982, 0.3359, 0.4488



## Deuteranomaly

69.8028, 0.3251, 0.4096



## Tritanomaly

73.1338, 0.2577, 0.3664

# Monochromacy



## Original Color

74.7684, 0.2766, 0.4790



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

55.9565, 0.2915, 0.3847

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7684, 0.2766, 0.4790 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(69, 255, 143)` looks like.

```
.text, #text, p{  
    color:rgb(69, 255, 143)  
}
```

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(69, 255, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 255, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7684, 0.2766, 0.4790 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(69, 255, 143) }
```

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

```
.border{ border-color:rgb(69, 255, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 255, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(69, 255,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7684, 0.2766, 0.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 255, 143) }
```

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

```
.background{ background-color: rgb(69, 255,  
143) }
```

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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