

# Converting Colors

$Yxy(74.5937, 0.2591, 0.4404)$

Have a look what the booklet for  
Yxy(74.5937, 0.2591, 0.4404)  
contains.

<b>Yxy(74.3336, 0.2589, 0.4393)</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(74.3336, 0.2589, 0.4393)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29FEAC
RGB	41, 254, 172
RGB Percent	16%, 100%, 67%
CMY	0.8384, 0.0039, 0.3255
CMYK	0.84, 0.00, 0.32, 0.00
HSL	157°, 99%, 58%
HSV	157°, 84%, 100%
XYZ	43.8083, 74.3336, 51.0673
YIQ	180.9650, -100.6260, -70.6580

# Conversions

## Conversions Part 2

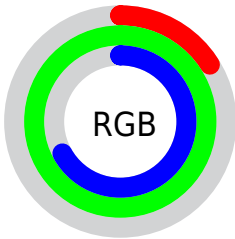
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 173, 254
Decimal	2752172
CIELab	89.08, -66.70, 25.78
CIELCh	89, 71.513, 158.868
Yxy	74.3336, 0.2589, 0.4393
Android (android.graphics.Color)	4280942252 (0xFF29FEAC)
YUV	180.9650, -4.4197, -122.7493
Hunter-Lab	86.2169, -60.1808, 25.2337

# Details

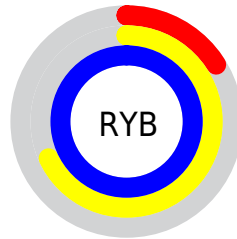
The Yxy color **74.3336, 0.2589, 0.4393** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **24.1057, 0.5005, 0.2665**, and the grayscale version is **46.2875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4814, 0.2579, 0.3609**, and **40.8118, 0.2622, 0.4638** is the 20% darker color. If you saturate the color by 10%, you get **73.6070, 0.2603, 0.4542**, and if you desaturate by 10%, it is **75.4303, 0.2595, 0.4241**.

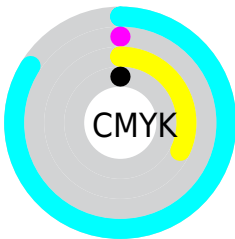
# Distribution



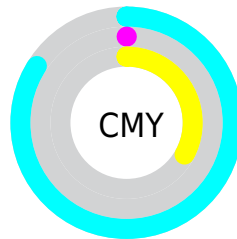
- Red (16%)
- Green (100%)
- Blue (67%)



- Red (16%)
- Yellow (68%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)




- Cyan (84%)
- Magenta (0%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3336, 0.2589, 0.4393 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 74.3336, 0.2589, 0.4393 by changing the saturation by 10% instead.





 74.3336, 0.2589,  
0.4393


 74.3336, 0.2589,  
0.4393


475.6239, 0.2854,  
0.3848


 55.0671, 0.2525,  
0.4526


 125.3686, 0.2684,  
0.4197

 39.4555, 0.2443,  
0.4694


 157.9059, 0.2720,  
0.4123

 27.1142, 0.2337,  
0.4915


 195.6356, 0.2751,  
0.4060

 17.6590, 0.2194,  
0.5213

 238.9421, 0.2777,  
0.4005

 10.7055, 0.1991,  
0.5636

288.2098, 0.2800,  
0.3958

 5.8692, 0.1689,  
0.6273


343.8231, 0.2820,

 2.7657, 0.1041,


0.3917


0.7593


406.1663, 0.2838,  
0.3880


 1.0107, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.3336, 0.2589,  
0.4393


 74.3336, 0.2589,  
0.4393


 73.6070, 0.2603,  
0.4542


 75.4303, 0.2595,  
0.4241

 73.2868, 0.2620,  
0.4632


 76.9449, 0.2622,  
0.4090


 78.9265, 0.2668,  
0.3941

 81.4152, 0.2731,  
0.3799

 84.4467, 0.2807,  
0.3666

 88.0534, 0.2895,  
0.3542

 92.2648, 0.2990,  
0.3428

 97.1087, 0.3089,  
0.3326

 99.3624, 0.3128,  
0.3281

# Harmonies

## Analogous

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



74.3336, 0.3379, 0.4862



74.3336, 0.2589, 0.4393



74.3336, 0.1990, 0.3483

# Triad

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



74.3336, 0.2589, 0.4393



74.3336, 0.2066, 0.2022



74.3336, 0.4790, 0.3559

# Complementary

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



74.3336, 0.2589, 0.4393



24.1057, 0.5005, 0.2665

# 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.



74.3336, 0.4357, 0.2967



74.3336, 0.2589, 0.4393



74.3336, 0.2688, 0.2130

# Square

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



74.3336, 0.2589, 0.4393



74.3336, 0.1738, 0.2181



74.3336, 0.3537, 0.2464



74.3336, 0.4682, 0.4172



# Rectangle

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



74.3336, 0.2589, 0.4393



74.3336, 0.1765, 0.2902



74.3336, 0.3537, 0.2464



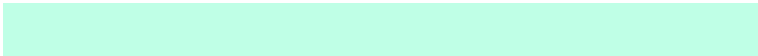
74.3336, 0.4705, 0.3357

# Sweetspot

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



74.3366, 0.2589, 0.4393



88.3664, 0.2884, 0.3556



75.5040, 0.3312, 0.5620



18.6313, 0.2852, 0.3599



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.



74.3366, 0.2589, 0.4393



73.9454, 0.2620, 0.4633



65.7500, 0.2200, 0.3022



20.3559, 0.3032, 0.3383



38.6682, 0.2614, 0.4609



3.7864, 0.2567, 0.4441



# Inverse Universe

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



24.1057, 0.5005, 0.2665



22.1468, 0.5486, 0.2796



24.7301, 0.5945, 0.3417



18.1029, 0.3233, 0.3199



11.5991, 0.5444, 0.2772

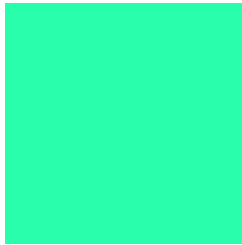


1.1500, 0.5137, 0.2604



# Previews

## White Background



This preview shows how the Yxy color 74.3336, 0.2589, 0.4393 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 74.3336, 0.2589, 0.4393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

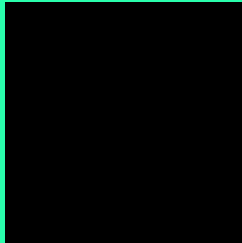
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

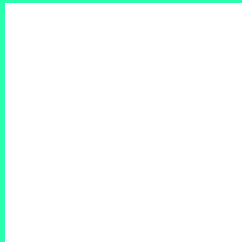
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.3336, 0.2589, 0.4393**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.3336, 0.2589, 0.4393.

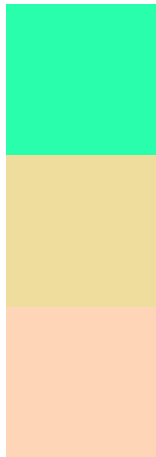


This preview shows how white text looks on a background with the Yxy color 74.3336, 0.2589, 0.4393.

# 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

74.3336, 0.2589, 0.4393

### Protanopia

72.5322, 0.3697, 0.3965

### Deuteranopia

72.3092, 0.3658, 0.3590



## Tritanopia

73.8585, 0.2454, 0.3102

# Trichromacy



## Original Color

74.3336, 0.2589, 0.4393



## Protanomaly

69.1377, 0.3112, 0.4163



## Deuteranomaly

68.1292, 0.3079, 0.3877



## Tritanomaly

72.7903, 0.2474, 0.3525

# Monochromacy



## Original Color

74.3336, 0.2589, 0.4393



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

53.0719, 0.2780, 0.3708

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.3336, 0.2589, 0.4393 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(41, 254, 172)` looks like.

```
.text, #text, p{  
    color:rgb(41, 254, 172)  
}
```

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(41, 254, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 254, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 74.3336, 0.2589, 0.4393 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(41, 254, 172) }
```

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

```
.border{ border-color:rgb(41, 254, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 254, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 254, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 254, 172);  
box-shadow:4px 4px 4px 4px rgb(41, 254,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.3336, 0.2589, 0.4393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 254, 172) }
```

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

```
.background{ background-color: rgb(41, 254,  
172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor