

# Converting Colors

$Y_{xy}(75.1036, 0.2618, 0.4435)$

Have a look what the booklet for  
Yxy(75.1036, 0.2618, 0.4435)  
contains.

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# Color

**Yxy(75.0884, 0.2619, 0.4441)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33FFA9
RGB	51, 255, 169
RGB Percent	20%, 100%, 66%
CMY	0.8007, 0.0000, 0.3371
CMYK	0.80, 0.00, 0.34, 0.00
HSL	155°, 100%, 60%
HSV	155°, 80%, 100%
XYZ	44.2820, 75.0884, 49.7095
YIQ	184.2000, -93.9780, -69.9940

# Conversions

## Conversions Part 2

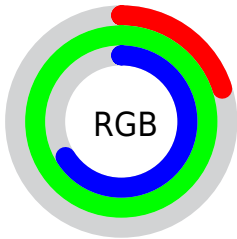
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 180, 255
Decimal	3407785
CIELab	89.43, -66.84, 27.78
CIELCh	89, 72.388, 157.431
Yxy	75.0884, 0.2619, 0.4441
Android (android.graphics.Color)	4281597865 (0xFF33FFA9)
YUV	184.2000, -7.4936, -116.8164
Hunter-Lab	86.6536, -60.4260, 26.6453

# Details

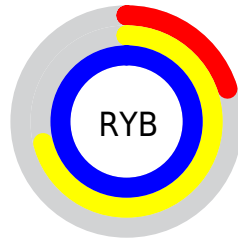
The Yxy color **75.0884, 0.2619, 0.4441** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **25.4128, 0.4770, 0.2584**, and the grayscale version is **48.1014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7021, 0.2612, 0.3645**, and **41.1935, 0.2640, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **74.2096, 0.2629, 0.4605**, and if you desaturate by 10%, it is **76.3557, 0.2630, 0.4274**.

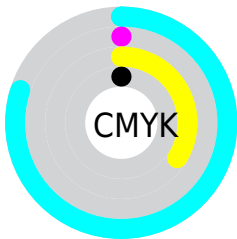
# Distribution



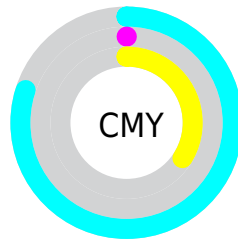
- Red (20%)
- Green (100%)
- Blue (66%)



- Red (20%)
- Yellow (71%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0884, 0.2619, 0.4441 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 75.0884, 0.2619, 0.4441 by changing the saturation by 10% instead.




 75.0884, 0.2619,  
0.4441


 75.0884, 0.2619,  
0.4441


478.2214, 0.2872,  
0.3872


 55.6853, 0.2557,  
0.4580


 126.4375, 0.2710,  
0.4236

 39.9507, 0.2478,  
0.4756


 159.1523, 0.2745,  
0.4159

 27.5001, 0.2375,  
0.4985


 197.0731, 0.2774,  
0.4093

 17.9492, 0.2236,  
0.5295

 240.5843, 0.2799,  
0.4036

 10.9135, 0.2037,  
0.5735

290.0704, 0.2821,  
0.3987

 6.0087, 0.1736,  
0.6393

345.9156, 0.2840,

 2.8504, 0.1128,

0.3944

0.7780

408.5045, 0.2857,  
0.3906

■ 1.0541, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 75.0884, 0.2619,  
0.4441

■ 75.0884, 0.2619,  
0.4441

■ 74.2096, 0.2629,  
0.4605

■ 76.3557, 0.2630,  
0.4274


■ 73.6464, 0.2656,  
0.4763


■ 78.0745, 0.2661,  
0.4108

■ 80.2856, 0.2710,  
0.3947

■ 83.0278, 0.2775,  
0.3793

 86.3360, 0.2853,  
0.3650

 90.2420, 0.2939,  
0.3518

 94.7750, 0.3031,  
0.3398

99.9624, 0.3127,  
0.3291

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.



75.0884, 0.3419, 0.4882



75.0884, 0.2619, 0.4441



75.0884, 0.2003, 0.3529

# Triad

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



75.0884, 0.2619, 0.4441



75.0884, 0.2035, 0.2014



75.0884, 0.4796, 0.3530

# Complementary

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



75.0884, 0.2619, 0.4441



25.4128, 0.4770, 0.2584

# 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.



75.0884, 0.4334, 0.2937



75.0884, 0.2619, 0.4441



75.0884, 0.2648, 0.2111

# Square

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



75.0884, 0.2619, 0.4441



75.0884, 0.1720, 0.2187



75.0884, 0.3497, 0.2437



75.0884, 0.4711, 0.4148



# Rectangle

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



75.0884, 0.2619, 0.4441



75.0884, 0.1766, 0.2936



75.0884, 0.3497, 0.2437



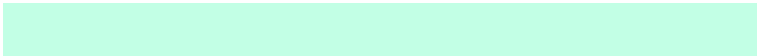
75.0884, 0.4701, 0.3327

# Sweetspot

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



75.0850, 0.2619, 0.4441



88.6329, 0.2904, 0.3569



77.2725, 0.3364, 0.5525



18.6766, 0.2874, 0.3616



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.



75.0850, 0.2619, 0.4441



73.8503, 0.2644, 0.4700



71.0601, 0.2239, 0.3121



20.3445, 0.3036, 0.3392



38.5123, 0.2649, 0.4737



3.7716, 0.2599, 0.4555



# Inverse Universe

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



25.4128, 0.4770, 0.2584



22.6799, 0.5231, 0.2675



25.2139, 0.5858, 0.3381



18.1140, 0.3228, 0.3190



11.6958, 0.5297, 0.2692

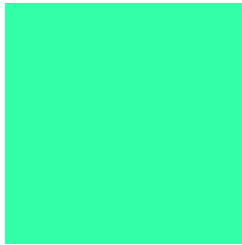


1.1600, 0.5004, 0.2530



# Previews

## White Background



This preview shows how the Yxy color 75.0884, 0.2619, 0.4441 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

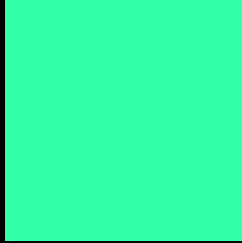
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.0884, 0.2619, 0.4441 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

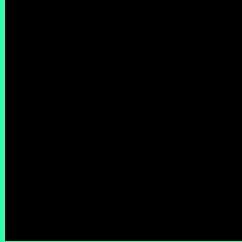
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.0884, 0.2619, 0.4441**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.0884, 0.2619, 0.4441.

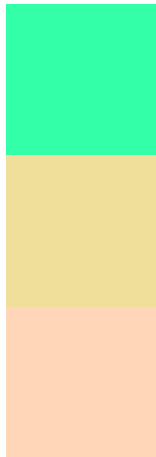


This preview shows how white text looks on a background with the Yxy color 75.0884, 0.2619, 0.4441.

# 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**

75.0884, 0.2619, 0.4441

**Protanopia**

73.1344, 0.3721, 0.4004

**Deuteranopia**

73.3216, 0.3653, 0.3610



## Tritanopia

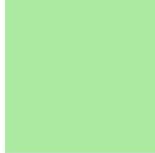
74.3563, 0.2479, 0.3104

# Trichromacy



## Original Color

75.0884, 0.2619, 0.4441



## Protanomaly

70.0416, 0.3155, 0.4204



## Deuteranomaly

69.6721, 0.3112, 0.3907



## Tritanomaly

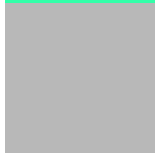
73.7508, 0.2505, 0.3549

# Monochromacy



## Original Color

75.0884, 0.2619, 0.4441



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

54.5821, 0.2813, 0.3715

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.0884, 0.2619, 0.4441 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(51, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 169)  
}
```

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(51, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 75.0884, 0.2619, 0.4441 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(51, 255, 169) }
```

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

```
.border{ border-color:rgb(51, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.0884, 0.2619, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 169) }
```

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

```
.background{ background-color: rgb(51, 255,  
169) }
```

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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