

# Converting Colors

$Yxy(73.9272, 0.2764, 0.4938)$

Have a look what the booklet for  
Yxy(73.9272, 0.2764, 0.4938)  
contains.

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# Color

**Yxy(73.9173, 0.2765, 0.4943)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33FF85
RGB	51, 255, 133
RGB Percent	20%, 100%, 52%
CMY	0.8011, 0.0000, 0.4785
CMYK	0.80, 0.00, 0.48, 0.00
HSL	144°, 100%, 60%
HSV	144°, 80%, 100%
XYZ	41.3476, 73.9173, 34.2744
YIQ	180.0960, -82.4220, -81.1900

# Conversions

## Conversions Part 2

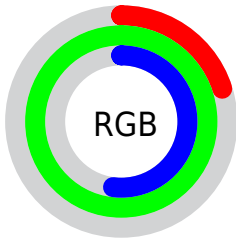
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 197, 255
Decimal	3407749
CIELab	88.88, -73.23, 44.78
CIELCh	89, 85.836, 148.552
Yxy	73.9173, 0.2765, 0.4943
Android (android.graphics.Color)	4281597829 (0xFF33FF85)
YUV	180.0960, -23.2183, -113.2172
Hunter-Lab	85.9752, -64.6114, 36.5464

# Details

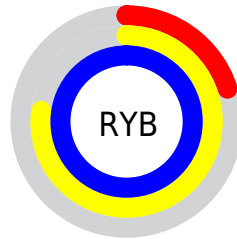
The Yxy color **73.9173, 0.2765, 0.4943** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **26.6097, 0.4215, 0.2247**, and the grayscale version is **45.8077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8967, 0.2784, 0.4116**, and **40.5266, 0.2806, 0.5301** is the 20% darker color. If you saturate the color by 10%, you get **73.0318, 0.2785, 0.5160**, and if you desaturate by 10%, it is **75.2106, 0.2764, 0.4711**.

# Distribution



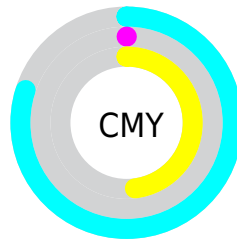
- Red (20%)
- Green (100%)
- Blue (52%)



- Red (20%)
- Yellow (77%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9173, 0.2765, 0.4943 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 73.9173, 0.2765, 0.4943 by changing the saturation by 10% instead.





 73.9173, 0.2765,  
0.4943

 73.9173, 0.2765,  
0.4943


474.1879, 0.2973,  
0.4112


 54.7264, 0.2707,  
0.5147


 124.7786, 0.2846,  
0.4643

 39.1827, 0.2629,  
0.5404


 157.2177, 0.2875,  
0.4529

 26.9019, 0.2521,  
0.5739


 194.8416, 0.2898,  
0.4433

 17.4995, 0.2364,  
0.6184

 238.0348, 0.2918,  
0.4351

 10.5913, 0.2125,  
0.6794

287.1817, 0.2935,  
0.4279

 5.7927, 0.1770,  
0.7760


342.6665, 0.2949,

 2.7195, 0.0683,


0.4216


0.9317


404.8738, 0.2962,  
0.4161


 0.9871, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 73.9173, 0.2765,  
0.4943

 73.9173, 0.2765,  
0.4943


 73.0318, 0.2785,  
0.5160


 75.2106, 0.2764,  
0.4711


 72.4933, 0.2820,  
0.5353


 76.9890, 0.2782,  
0.4475

 79.2907, 0.2816,  
0.4241

 82.1561, 0.2864,  
0.4018

 85.6214, 0.2923,  
0.3809

 89.7197, 0.2987,  
0.3618

 94.4817, 0.3056,  
0.3445

99.9359, 0.3126,  
0.3292

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.



73.9173, 0.3701, 0.5181



73.9173, 0.2765, 0.4943



73.9173, 0.1978, 0.3913

# Triad

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



73.9173, 0.2765, 0.4943



73.9173, 0.1726, 0.1842



73.9173, 0.5011, 0.3319

# Complementary

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



73.9173, 0.2765, 0.4943



26.6097, 0.4215, 0.2247

# 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.



73.9173, 0.4293, 0.2681



73.9173, 0.2765, 0.4943



73.9173, 0.2314, 0.1876

# Square

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



73.9173, 0.2765, 0.4943



73.9173, 0.1474, 0.2121



73.9173, 0.3238, 0.2171



73.9173, 0.5065, 0.4014



# Rectangle

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



73.9173, 0.2765, 0.4943



73.9173, 0.1646, 0.3140



73.9173, 0.3238, 0.2171



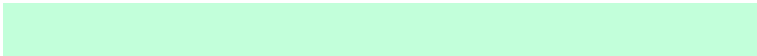
73.9173, 0.4838, 0.3098

# Sweetspot

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



73.9098, 0.2765, 0.4943



88.0483, 0.2962, 0.3690



80.6736, 0.3573, 0.5372



18.5368, 0.2939, 0.3758



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.



73.9098, 0.2765, 0.4943



72.6855, 0.2805, 0.5278



78.1900, 0.2356, 0.3540



20.2894, 0.3060, 0.3435



37.9069, 0.2812, 0.5323



3.7118, 0.2749, 0.5096



# Inverse Universe

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



26.6097, 0.4215, 0.2247



23.8956, 0.4512, 0.2275



24.0600, 0.5735, 0.3168



18.1692, 0.3200, 0.3149



12.3288, 0.4556, 0.2283

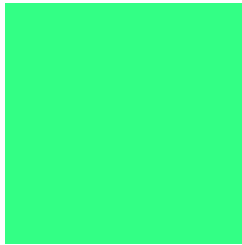


1.2221, 0.4359, 0.2175



# Previews

## White Background



This preview shows how the Yxy color 73.9173, 0.2765, 0.4943 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

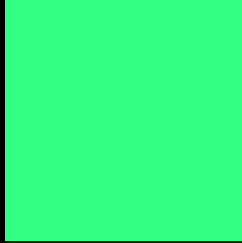
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.9173, 0.2765, 0.4943 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

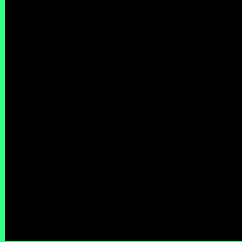
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.9173, 0.2765, 0.4943**

## Background



This preview shows how black text looks on a background with the Yxy color 73.9173, 0.2765, 0.4943.

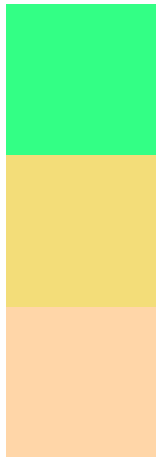


This preview shows how white text looks on a background with the Yxy color 73.9173, 0.2765, 0.4943.

# 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

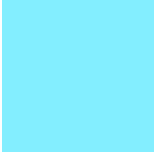
73.9173, 0.2765, 0.4943

### Protanopia

72.1481, 0.3970, 0.4322

### Deuteranopia

72.1803, 0.3774, 0.3765



## Tritanopia

73.1944, 0.2448, 0.3090

# Trichromacy



## Original Color

73.9173, 0.2765, 0.4943



## Protanomaly

68.6427, 0.3367, 0.4615



## Deuteranomaly

68.2289, 0.3259, 0.4196



## Tritanomaly

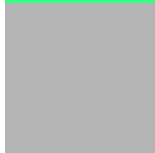
72.2293, 0.2546, 0.3708

# Monochromacy



## Original Color

73.9173, 0.2765, 0.4943



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

52.2565, 0.2890, 0.3913

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.9173, 0.2765, 0.4943 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 73.9173, 0.2765, 0.4943 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, 133) }
```

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

```
.border{ border-color:rgb(51, 255, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.9173, 0.2765, 0.4943 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, 133) }
```

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

```
.background{ background-color: rgb(51, 255,  
133) }
```

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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