

# Converting Colors

$Y_{xy}(73.5273, 0.2715, 0.4910)$

Have a look what the booklet for  
Yxy(73.5273, 0.2715, 0.4910)  
contains.

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# Color

**Yxy(73.5328, 0.2713, 0.4905)**

# Conversions

## Conversions Part 1

Format	Color
Hex	19FF89
RGB	25, 255, 137
RGB Percent	10%, 100%, 54%
CMY	0.9027, 0.0000, 0.4628
CMYK	0.90, 0.00, 0.46, 0.00
HSL	149°, 100%, 55%
HSV	149°, 90%, 100%
XYZ	40.6717, 73.5328, 35.7095
YIQ	172.7780, -99.2020, -85.4580

# Conversions

## Conversions Part 2

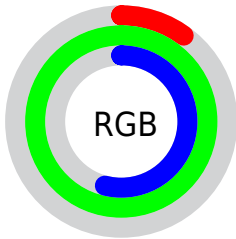
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">25, 180, 255</a>
Decimal	<a href="#">1703817</a>
CIELab	<a href="#">88.70, -74.52, 42.60</a>
CIELCh	<a href="#">89, 85.834, 150.247</a>
Yxy	<a href="#">73.5328, 0.2713, 0.4905</a>
Android (android.graphics.Color)	<a href="#">4279893897 (0xFF19FF89)</a>
YUV	<a href="#">172.7780, -17.6386, -129.6013</a>
Hunter-Lab	<a href="#">85.7513, -65.4025, 35.3357</a>

# Details

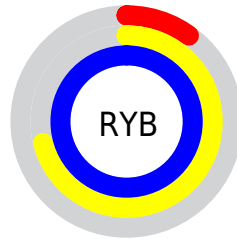
The Yxy color **73.5328, 0.2713, 0.4905** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **23.9255, 0.4722, 0.2428**, and the grayscale version is **41.7688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3188, 0.2723, 0.4073**, and **40.5884, 0.2788, 0.5238** is the 20% darker color. If you saturate the color by 10%, you get **72.9818, 0.2745, 0.5084**, and if you desaturate by 10%, it is **74.4101, 0.2696, 0.4709**.

# Distribution



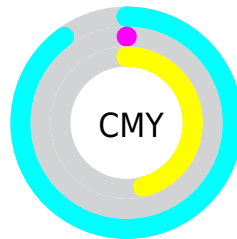
- Red (10%)
- Green (100%)
- Blue (54%)



- Red (10%)
- Yellow (71%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)




- Cyan (90%)
- Magenta (0%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5328, 0.2713, 0.4905 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 73.5328, 0.2713, 0.4905 by changing the saturation by 10% instead.





 73.5328, 0.2713,  
0.4905


 73.5328, 0.2713,  
0.4905


472.8593, 0.2943,  
0.4092


 54.4117, 0.2650,  
0.5105


 124.2333, 0.2801,  
0.4611


 38.9309, 0.2568,  
0.5359


 156.5815, 0.2832,  
0.4500

 26.7060, 0.2455,  
0.5689


 194.1076, 0.2859,  
0.4406

 17.3525, 0.2293,  
0.6130


 237.1959, 0.2881,  
0.4325

 10.4862, 0.2050,  
0.6740

 286.2308, 0.2900,  
0.4255

 5.7225, 0.1682,  
0.7672


341.5968, 0.2916,

 2.6771, 0.0526,


0.4194

0.9474


403.6781, 0.2930,  
0.4140


 0.9656, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 73.5328, 0.2713,  
0.4905

 73.5328, 0.2713,  
0.4905

 72.9818, 0.2745,  
0.5084

 74.4101, 0.2696,  
0.4709


 75.6981, 0.2700,  
0.4506


 77.4478, 0.2723,  
0.4302

 79.7043, 0.2764,  
0.4103

 82.5071, 0.2820,  
0.3913

 85.8916, 0.2888,  
0.3735

 89.8904, 0.2963,  
0.3572

 94.5332, 0.3043,  
0.3425

99.8481, 0.3125,  
0.3293

# Harmonies

## Analogous

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



73.5328, 0.3649, 0.5194



73.5328, 0.2713, 0.4905



73.5328, 0.1941, 0.3846

# Triad

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



73.5328, 0.2713, 0.4905



73.5328, 0.1748, 0.1835



73.5328, 0.5036, 0.3357

# Complementary

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



73.5328, 0.2713, 0.4905



23.9255, 0.4722, 0.2428

# 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.



73.5328, 0.4349, 0.2714



73.5328, 0.2713, 0.4905



73.5328, 0.2356, 0.1884

# Square

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



73.5328, 0.2713, 0.4905



73.5328, 0.1478, 0.2094



73.5328, 0.3297, 0.2193



73.5328, 0.5051, 0.4055



# Rectangle

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



73.5328, 0.2713, 0.4905



73.5328, 0.1623, 0.3080



73.5328, 0.3297, 0.2193



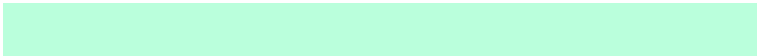
73.5328, 0.4875, 0.3134

# Sweetspot

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



73.5300, 0.2713, 0.4905



87.1293, 0.2911, 0.3680



77.4957, 0.3428, 0.5605



18.3728, 0.2887, 0.3738



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.



73.5300, 0.2713, 0.4905



72.9818, 0.2745, 0.5084



78.6997, 0.2270, 0.3334



20.3157, 0.3049, 0.3414



38.1645, 0.2737, 0.5054



3.7379, 0.2679, 0.4843



# Inverse Universe

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



23.9255, 0.4722, 0.2428



22.8916, 0.4946, 0.2499



22.0344, 0.6237, 0.3287



18.1426, 0.3213, 0.3169



11.9917, 0.4910, 0.2479

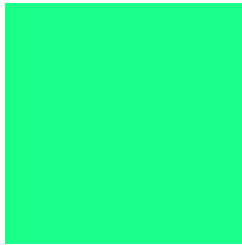


1.1897, 0.4663, 0.2343



# Previews

## White Background



This preview shows how the Yxy color 73.5328, 0.2713, 0.4905 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 73.5328, 0.2713, 0.4905 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

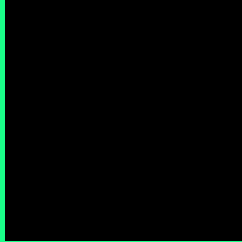
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.5328, 0.2713, 0.4905**

## Background



This preview shows how black text looks on a background with the Yxy color 73.5328, 0.2713, 0.4905.

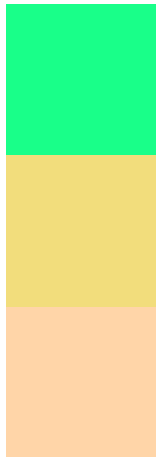


This preview shows how white text looks on a background with the Yxy color 73.5328, 0.2713, 0.4905.

# 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

73.5328, 0.2713, 0.4905

### Protanopia

72.0454, 0.3944, 0.4297

### Deuteranopia

71.6757, 0.3778, 0.3755



## Tritanopia

72.8047, 0.2428, 0.3089

# Trichromacy



## Original Color

73.5328, 0.2713, 0.4905



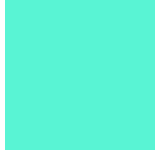
## Protanomaly

67.6493, 0.3276, 0.4598



## Deuteranomaly

66.5791, 0.3178, 0.4180



## Tritanomaly

71.5787, 0.2499, 0.3699

# Monochromacy



## Original Color

73.5328, 0.2713, 0.4905



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

49.1719, 0.2816, 0.3922

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.5328, 0.2713, 0.4905 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(25, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(25, 255, 137)  
}
```

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(25, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 255, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 73.5328, 0.2713, 0.4905 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(25, 255, 137) }
```

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

```
.border{ border-color:rgb(25, 255, 137) }
```

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

Here you see how a box with a 4 pixel rgb(25, 255, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(25, 255,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.5328, 0.2713, 0.4905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 255, 137) }
```

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

```
.background{ background-color: rgb(25, 255,  
137) }
```

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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