

# Converting Colors

$Y_{xy}(71.1288, 0.2501, 0.4204)$

Have a look what the booklet for  
Yxy(71.1288, 0.2501, 0.4204)  
contains.

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# Color

**Yxy(71.1288, 0.2501, 0.4204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F9B6
RGB	0, 249, 182
RGB Percent	0%, 98%, 71%
CMY	1.0000, 0.0235, 0.2863
CMYK	1.00, 0.00, 0.27, 0.02
HSL	164°, 100%, 49%
HSV	164°, 100%, 98%
XYZ	42.3152, 71.1288, 55.7491
YIQ	166.9110, -126.8970, -73.6250

# Conversions

## Conversions Part 2

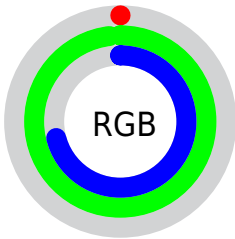
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 144, 249</a>
Decimal	<a href="#">63926</a>
CIELab	<a href="#">87.55, -64.54, 18.53</a>
CIELCh	<a href="#">88, 67.145, 163.981</a>
Yxy	<a href="#">71.1288, 0.2501, 0.4204</a>
Android (android.graphics.Color)	<a href="#">4278254006</a> <a href="#">(0xFF00F9B6)</a>
YUV	<a href="#">166.9110, 7.4389, -146.3809</a>
Hunter-Lab	<a href="#">84.3379, -58.0318, 19.8446</a>

# Details

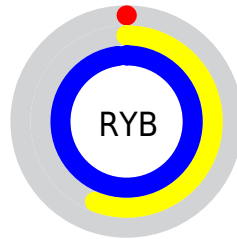
The Yxy color **71.1288, 0.2501, 0.4204** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **20.5467, 0.5912, 0.3031**, and the grayscale version is **38.6091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2705, 0.2496, 0.3489**, and **38.8466, 0.2552, 0.4389** is the 20% darker color. If you saturate the color by 10%, you get **71.1335, 0.2501, 0.4204**, and if you desaturate by 10%, it is **71.6227, 0.2488, 0.4103**.

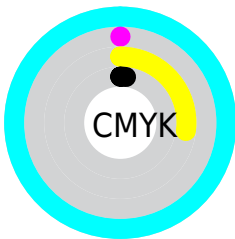
# Distribution



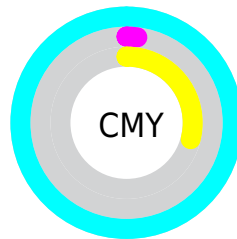
- Red (0%)
- Green (98%)
- Blue (71%)



- Red (0%)
- Yellow (56%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (2%)




- Cyan (100%)
- Magenta (2%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1288, 0.2501, 0.4204 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 71.1288, 0.2501, 0.4204 by changing the saturation by 10% instead.





 71.1288, 0.2501,  
0.4204

 71.1288, 0.2501,  
0.4204

464.5036, 0.2802,  
0.3754


 52.4473, 0.2430,  
0.4314


 120.8171, 0.2608,  
0.4042


 37.3617, 0.2340,  
0.4452


 152.5927, 0.2649,  
0.3981


 25.4877, 0.2225,  
0.4634

 189.5018, 0.2684,  
0.3929

 16.4408, 0.2072,  
0.4880

 231.9288, 0.2714,  
0.3884

 9.8366, 0.1859,  
0.5232

 280.2581, 0.2740,  
0.3845

 5.2907, 0.1549,  
0.5768


334.8740, 0.2763,


 2.4188, 0.0772,

0.3811

0.6892


396.1611, 0.2784,  
0.3781


 0.8356, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 71.1288, 0.2501,  
0.4204


 71.1288, 0.2501,  
0.4204


 71.1335, 0.2501,  
0.4204


 71.6227, 0.2488,  
0.4103


 72.3876, 0.2492,  
0.4001


 73.5092, 0.2515,  
0.3898


 75.0367, 0.2559,  
0.3797

 77.0112, 0.2622,  
0.3699

 79.4689, 0.2701,  
0.3604

 82.4420, 0.2795,  
0.3516

 85.9600, 0.2899,  
0.3434

 90.0502, 0.3010,  
0.3358

# Harmonies

## Analogous

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



71.1288, 0.3243, 0.4750



71.1288, 0.2501, 0.4204



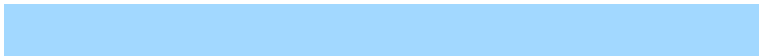
71.1288, 0.1970, 0.3327

# Triad

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



71.1288, 0.2501, 0.4204



71.1288, 0.2192, 0.2072



71.1288, 0.4734, 0.3659

# Complementary

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



71.1288, 0.2501, 0.4204



20.5467, 0.5912, 0.3031

# 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.



71.1288, 0.4403, 0.3078



71.1288, 0.2501, 0.4204



71.1288, 0.2837, 0.2215

# Square

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



71.1288, 0.2501, 0.4204



71.1288, 0.1825, 0.2181



71.1288, 0.3664, 0.2571



71.1288, 0.4555, 0.4242



# Rectangle

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



71.1288, 0.2501, 0.4204



71.1288, 0.1787, 0.2803



71.1288, 0.3664, 0.2571



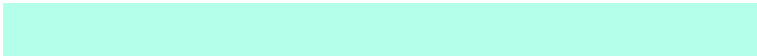
71.1288, 0.4681, 0.3462

# Sweetspot

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



71.1335, 0.2501, 0.4204



87.0084, 0.2794, 0.3516



69.0792, 0.3117, 0.5907



18.3254, 0.2753, 0.3553



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

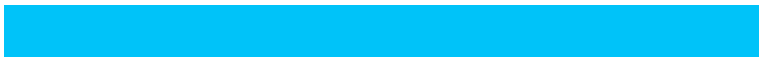
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.1335, 0.2501, 0.4204



75.0810, 0.2501, 0.4205



45.8956, 0.2045, 0.2563



19.5242, 0.3016, 0.3355



38.0988, 0.2497, 0.4188



3.5463, 0.2463, 0.4066



# Inverse Universe

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



20.5467, 0.5912, 0.3031



21.6851, 0.5915, 0.3032



22.7751, 0.6173, 0.3481



17.3019, 0.3251, 0.3226



11.0176, 0.5872, 0.3008

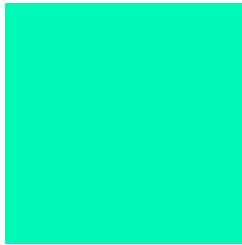


1.0373, 0.5537, 0.2824



# Previews

## White Background



This preview shows how the Yxy color 71.1288, 0.2501, 0.4204 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 71.1288, 0.2501, 0.4204 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

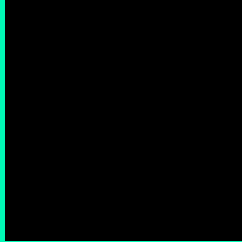
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.1288, 0.2501, 0.4204**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1288, 0.2501, 0.4204.

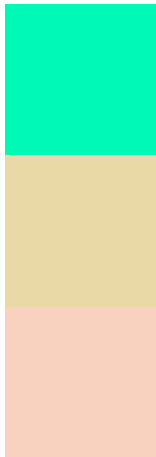


This preview shows how white text looks on a background with the Yxy color 71.1288, 0.2501, 0.4204.

# 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

71.1288, 0.2501, 0.4204

### Protanopia

69.5715, 0.3591, 0.3840

### Deuteranopia

69.3190, 0.3561, 0.3480



## **Tritanopia**

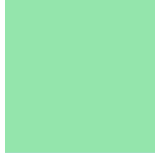
70.7314, 0.2348, 0.3073

# Trichromacy



## Original Color

71.1288, 0.2501, 0.4204



## Protanomaly

65.3131, 0.2941, 0.4029



## Deuteranomaly

64.2112, 0.2908, 0.3747



## Tritanomaly

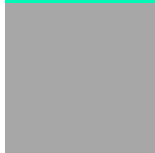
69.6703, 0.2365, 0.3454

# Monochromacy



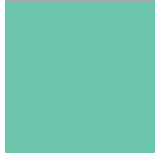
## Original Color

71.1288, 0.2501, 0.4204



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

45.9752, 0.2658, 0.3664

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1288, 0.2501, 0.4204 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(0, 249, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 182)  
}
```

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(0, 249, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1288, 0.2501, 0.4204 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(0, 249, 182) }
```

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

```
.border{ border-color:rgb(0, 249, 182) }
```

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

Here you see how a box with a 4 pixel rgb(0, 249, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 249,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1288, 0.2501, 0.4204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 249, 182) }
```

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

```
.background{ background-color: rgb(0, 249,  
182) }
```

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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