

# Converting Colors

$Yxy(69.6829, 0.2528, 0.4299)$

Have a look what the booklet for  
Yxy(69.6829, 0.2528, 0.4299)  
contains.

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# Color

**Yxy(69.5840, 0.2528, 0.4300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F7AE
RGB	0, 247, 174
RGB Percent	0%, 97%, 68%
CMY	0.9985, 0.0313, 0.3176
CMYK	1.00, 0.00, 0.30, 0.03
HSL	162°, 100%, 49%
HSV	162°, 100%, 97%
XYZ	40.9089, 69.5840, 51.3303
YIQ	164.8250, -123.7790, -75.0670

# Conversions

## Conversions Part 2

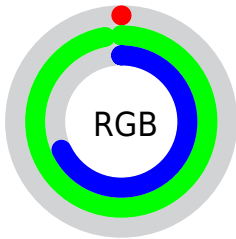
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 145, 247
Decimal	63406
CIELab	86.79, -65.56, 21.57
CIELCh	87, 69.017, 161.787
Yxy	69.5840, 0.2528, 0.4300
Android (android.graphics.Color)	4278253486 (0xFF00F7AE)
YUV	164.8250, 4.5233, -144.5515
Hunter-Lab	83.4170, -58.4408, 21.9080

# Details

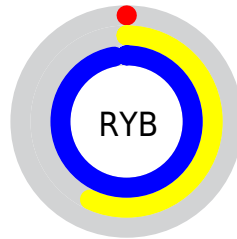
The Yxy color **69.5840, 0.2528, 0.4300** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **20.2701, 0.5817, 0.2979**, and the grayscale version is **37.6227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8106, 0.2530, 0.3588**, and **37.7757, 0.2588, 0.4515** is the 20% darker color. If you saturate the color by 10%, you get **69.5799, 0.2528, 0.4302**, and if you desaturate by 10%, it is **70.0850, 0.2512, 0.4188**.

# Distribution



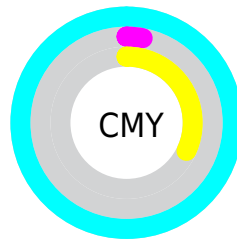
- Red (0%)
- Green (97%)
- Blue (68%)



- Red (0%)
- Yellow (57%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (3%)




- Cyan (100%)
- Magenta (3%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5840, 0.2528, 0.4300 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 69.5840, 0.2528, 0.4300 by changing the saturation by 10% instead.




 69.5840, 0.2528,  
0.4300


 69.5840, 0.2528,  
0.4300


459.0880, 0.2821,  
0.3798

 51.1875, 0.2457,  
0.4424


 118.6153, 0.2633,  
0.4119

 36.3578, 0.2368,  
0.4581


 150.0189, 0.2673,  
0.4050

 24.7107, 0.2252,  
0.4787


 186.5269, 0.2706,  
0.3992

 15.8616, 0.2097,  
0.5069

 228.5238, 0.2736,  
0.3942

 9.4263, 0.1877,  
0.5475

 276.3940, 0.2761,  
0.3899

 5.0203, 0.1552,  
0.6096


330.5218, 0.2784,

 2.2592, 0.0566,

0.3861

0.7680


391.2917, 0.2803,  
0.3828


 0.7520, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 69.5840, 0.2528,  
0.4300


 69.5840, 0.2528,  
0.4300


 69.5799, 0.2528,  
0.4302

 70.0850, 0.2512,  
0.4188


 70.8587, 0.2514,  
0.4075

 71.9859, 0.2536,  
0.3961

 73.5149, 0.2578,  
0.3849

 75.4858, 0.2639,  
0.3740

 77.9341, 0.2716,  
0.3635

 80.8914, 0.2807,  
0.3537

 84.3866, 0.2908,  
0.3447

 88.4465, 0.3016,  
0.3364

# Harmonies

## Analogous

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



69.5840, 0.3300, 0.4823



69.5840, 0.2528, 0.4300



69.5840, 0.1962, 0.3392

# Triad

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



69.5840, 0.2528, 0.4300



69.5840, 0.2125, 0.2035



69.5840, 0.4782, 0.3618

# Complementary

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



69.5840, 0.2528, 0.4300



20.2701, 0.5817, 0.2979

# 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.



69.5840, 0.4404, 0.3027



69.5840, 0.2528, 0.4300



69.5840, 0.2768, 0.2166

# Square

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



69.5840, 0.2528, 0.4300



69.5840, 0.1772, 0.2166



69.5840, 0.3618, 0.2516



69.5840, 0.4628, 0.4222



# Rectangle

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



69.5840, 0.2528, 0.4300



69.5840, 0.1760, 0.2836



69.5840, 0.3618, 0.2516



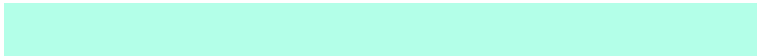
69.5840, 0.4715, 0.3416

# Sweetspot

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



69.5867, 0.2528, 0.4300



86.8910, 0.2805, 0.3539



67.9988, 0.3131, 0.5895



18.2972, 0.2765, 0.3580



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.



69.5867, 0.2528, 0.4300



74.7964, 0.2529, 0.4304



46.9624, 0.2062, 0.2624



18.6693, 0.3020, 0.3361



36.8214, 0.2523, 0.4283



3.2542, 0.2484, 0.4143



# Inverse Universe

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



20.2701, 0.5817, 0.2979



21.7744, 0.5825, 0.2983



22.0330, 0.6199, 0.3459



16.5632, 0.3247, 0.3220



10.7346, 0.5778, 0.2957



0.9607, 0.5424, 0.2762



# Previews

## White Background



This preview shows how the Yxy color 69.5840, 0.2528, 0.4300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

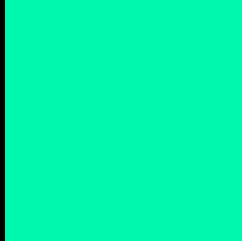
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.5840, 0.2528, 0.4300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

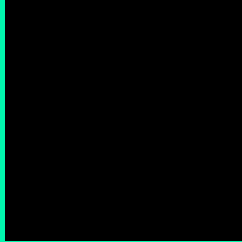
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.5840, 0.2528, 0.4300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5840, 0.2528, 0.4300.

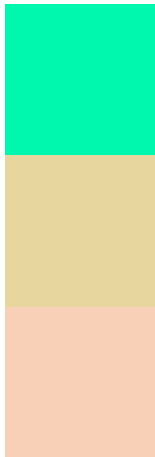


This preview shows how white text looks on a background with the Yxy color 69.5840, 0.2528, 0.4300.

# 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

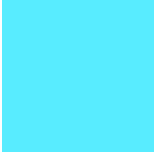
69.5775, 0.2528, 0.4300

### Protanopia

68.0930, 0.3646, 0.3909

### Deuteranopia

68.0010, 0.3627, 0.3545



## **Tritanopia**

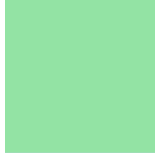
69.2856, 0.2298, 0.3058

# Trichromacy



## Original Color

69.5775, 0.2528, 0.4300



## Protanomaly

63.8216, 0.2980, 0.4117



## Deuteranomaly

62.8069, 0.2955, 0.3829



## Tritanomaly

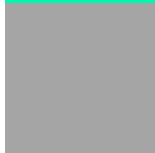
68.6519, 0.2350, 0.3469

# Monochromacy



## Original Color

69.5775, 0.2528, 0.4300



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

44.8606, 0.2673, 0.3699

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5840, 0.2528, 0.4300 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, 247, 174)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 174)  
}
```

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, 247, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5840, 0.2528, 0.4300 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, 247, 174) }
```

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

```
.border{ border-color:rgb(0, 247, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 247, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 174);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5840, 0.2528, 0.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 174) }
```

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

```
.background{ background-color: rgb(0, 247,  
174) }
```

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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