

# Converting Colors

Yxy(68.4872, 0.2496, 0.4185)

Have a look what the booklet for  
Yxy(68.4872, 0.2496, 0.4185)  
contains.

<b>Yxy(68.6001, 0.2497, 0.4189)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	27
<i><b>CSS Examples</b></i>	30

# Color

**Yxy(68.6001, 0.2497, 0.4189)**

# Conversions

Conversions Part 1	
Format	Color
Hex	00F5B4
RGB	0, 245, 180
RGB Percent	0%, 96%, 71%
CMY	0.9998, 0.0392, 0.2941
CMYK	1.00, 0.00, 0.27, 0.04
HSL	164°, 100%, 48%
HSV	164°, 100%, 96%
XYZ	40.8915, 68.6001, 54.2709
YIQ	164.3350, -125.1550, -72.1550

# Conversions

## Conversions Part 2

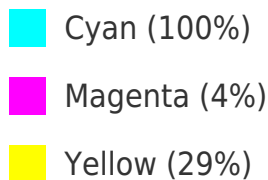
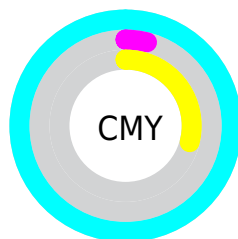
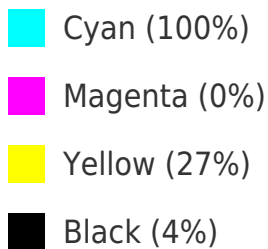
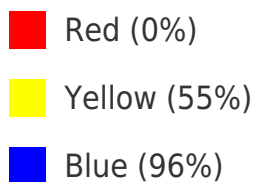
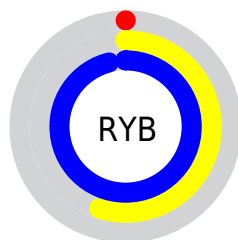
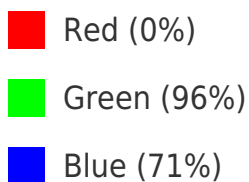
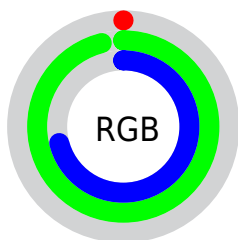
Format	Color
<a href="#">RYB</a>	<a href="#">0, 141, 245</a>
Decimal	<a href="#">62900</a>
CIELab	<a href="#">86.31, -63.51, 17.81</a>
CIELCh	<a href="#">86, 65.966, 164.332</a>
Yxy	<a href="#">68.6001, 0.2497, 0.4189</a>
Android (android.graphics.Color)	<a href="#">4278252980</a> (0xFF00F5B4)
YUV	<a href="#">164.3350, 7.7228, -144.1218</a>
Hunter-Lab	<a href="#">82.8252, -56.8171, 19.1281</a>

# Details

The Yxy color **68.6001, 0.2497, 0.4189** 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 **19.7962, 0.5922, 0.3036**, and the grayscale version is **37.3078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0868, 0.2501, 0.3514**, and **37.0730, 0.2548, 0.4373** is the 20% darker color. If you saturate the color by 10%, you get **68.6020, 0.2497, 0.4189**, and if you desaturate by 10%, it is **69.0747, 0.2484, 0.4090**.

# Distribution



# Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6001, 0.2497, 0.4189 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 68.6001, 0.2497, 0.4189 by changing the saturation by 10% instead.




 68.6001, 0.2497,  
0.4189


 68.6001, 0.2497,  
0.4189


 455.6193, 0.2802,  
0.3744


 50.3861, 0.2424,  
0.4298


 117.2102, 0.2605,  
0.4029

 35.7203, 0.2333,  
0.4437


 148.3751, 0.2647,  
0.3968

 24.2182, 0.2216,  
0.4618


 184.6258, 0.2682,  
0.3917

 15.4956, 0.2058,  
0.4866

 226.3466, 0.2712,  
0.3872

 9.1679, 0.1839,  
0.5222

 273.9220, 0.2739,  
0.3834

 4.8509, 0.1518,  
0.5770


 327.7363, 0.2762,


 2.1600, 0.0543,


0.3800


0.7093


388.1739, 0.2783,  
0.3771


 0.6981, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 68.6001, 0.2497,  
0.4189


 68.6001, 0.2497,  
0.4189


 68.6020, 0.2497,  
0.4189


 69.0747, 0.2484,  
0.4090


 69.8117, 0.2489,  
0.3989


 70.8921, 0.2513,  
0.3888


 72.3630, 0.2557,  
0.3789

 74.2639, 0.2620,  
0.3692

 76.6295, 0.2700,  
0.3599

 79.4908, 0.2794,  
0.3512

 82.8762, 0.2898,  
0.3431

 86.8117, 0.3010,  
0.3357

# Harmonies

## Analogous

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



68.6001, 0.3234, 0.4738



68.6001, 0.2497, 0.4189



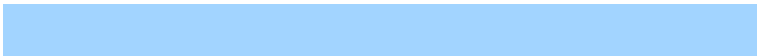
68.6001, 0.1971, 0.3318

# Triad

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



68.6001, 0.2497, 0.4189



68.6001, 0.2202, 0.2078



68.6001, 0.4726, 0.3665

# Complementary

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



68.6001, 0.2497, 0.4189



19.7962, 0.5922, 0.3036

# 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.



68.6001, 0.4403, 0.3086



68.6001, 0.2497, 0.4189



68.6001, 0.2847, 0.2223

# Square

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



68.6001, 0.2497, 0.4189



68.6001, 0.1834, 0.2184



68.6001, 0.3671, 0.2580



68.6001, 0.4544, 0.4245



# Rectangle

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



68.6001, 0.2497, 0.4189



68.6001, 0.1791, 0.2799



68.6001, 0.3671, 0.2580



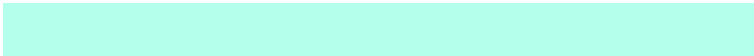
68.6001, 0.4676, 0.3469

# Sweetspot

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



68.6028, 0.2497, 0.4189



87.0252, 0.2793, 0.3513



66.4433, 0.3104, 0.5917



18.3294, 0.2752, 0.3549



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.



68.6028, 0.2497, 0.4189



75.1226, 0.2498, 0.4191



42.4940, 0.2029, 0.2504



18.6783, 0.3016, 0.3354



36.9803, 0.2493, 0.4173



3.2671, 0.2458, 0.4048



# Inverse Universe

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



19.7962, 0.5922, 0.3036



21.6732, 0.5928, 0.3039



22.3596, 0.6139, 0.3508



16.5547, 0.3252, 0.3227



10.6830, 0.5882, 0.3014

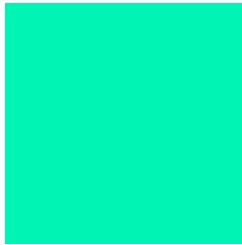


0.9553, 0.5530, 0.2820



# Previews

## White Background



This preview shows how the Yxy color 68.6001, 0.2497, 0.4189 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

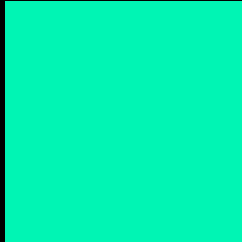
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.6001, 0.2497, 0.4189 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

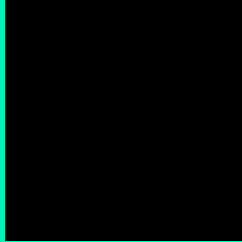
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.6001, 0.2497, 0.4189**

## Background



This preview shows how black text looks on a background with the Yxy color 68.6001, 0.2497, 0.4189.

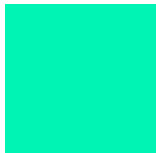


This preview shows how white text looks on a background with the Yxy color 68.6001, 0.2497, 0.4189.

# Color Blindness Simulation

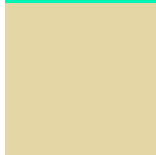
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

68.6001, 0.2497, 0.4189



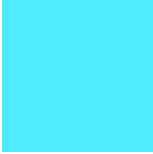
### Protanopia

67.3037, 0.3582, 0.3837



### Deuteranopia

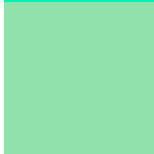
67.0498, 0.3551, 0.3473




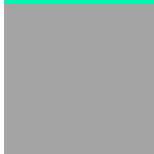

## Tritanopia

68.2779, 0.2278, 0.3056

# Trichromacy

	<b>Original Color</b> 68.6001, 0.2497, 0.4189
	<b>Protanomaly</b> 62.7724, 0.2933, 0.4015
	<b>Deuteranomaly</b> 61.7001, 0.2899, 0.3728
	<b>Tritanomaly</b> 67.9829, 0.2335, 0.3443

# Monochromacy

	<b>Original Color</b> 68.6001, 0.2497, 0.4189
	<b>Achromatopsia</b> 37.1238, 0.3127, 0.3290
	<b>Achromatomaly</b> 43.9853, 0.2651, 0.3640

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6001, 0.2497, 0.4189 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, 245, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 180)  
}
```

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, 245, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6001, 0.2497, 0.4189 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, 245, 180) }
```

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

```
.border{ border-color:rgb(0, 245, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 245, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6001, 0.2497, 0.4189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 180) }
```

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

```
.background{ background-color: rgb(0, 245,  
180) }
```

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](#).

Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor