

Converting Colors

$Yxy(68.0376, 0.2490, 0.4163)$

Have a look what the booklet for
Yxy(68.0376, 0.2490, 0.4163)
contains.

Yxy(68.0376, 0.2490, 0.4163)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.0376, 0.2490, 0.4163)

Conversions

Conversions Part 1

Format	Color
Hex	00F4B5
RGB	0, 244, 181
RGB Percent	0%, 96%, 71%
CMY	0.9981, 0.0431, 0.2902
CMYK	1.00, 0.00, 0.26, 0.04
HSL	164°, 100%, 48%
HSV	164°, 100%, 96%
XYZ	40.6951, 68.0376, 54.7014
YIQ	163.8620, -125.2010, -71.3210

Conversions

Conversions Part 2

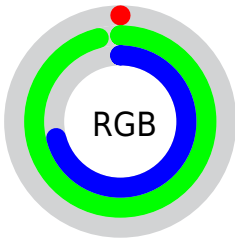
Format	Color
RYB	0, 140, 244
Decimal	62645
CIELab	86.03, -62.91, 16.91
CIELCh	86, 65.146, 164.952
Yxy	68.0376, 0.2490, 0.4163
Android (android.graphics.Color)	4278252725 (0xFF00F4B5)
YUV	163.8620, 8.4490, -143.7070
Hunter-Lab	82.4849, -56.2831, 18.4202

Details

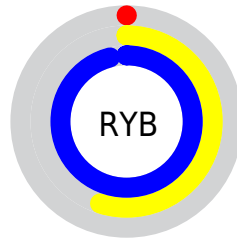
The Yxy color **68.0376, 0.2490, 0.4163** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **19.6081, 0.5937, 0.3046**, and the grayscale version is **37.1325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1451, 0.2497, 0.3502**, and **36.6763, 0.2539, 0.4340** is the 20% darker color. If you saturate the color by 10%, you get **68.0318, 0.2490, 0.4165**, and if you desaturate by 10%, it is **68.5075, 0.2478, 0.4066**.

Distribution



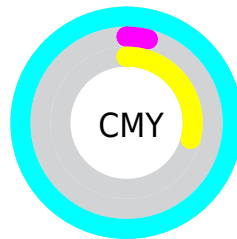
- Red (0%)
- Green (96%)
- Blue (71%)



- Red (0%)
- Yellow (55%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (4%)



- Cyan (100%)
- Magenta (4%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0376, 0.2490, 0.4163 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 68.0376, 0.2490, 0.4163 by changing the saturation by 10% instead.


 68.0376, 0.2490,
0.4163

 68.0376, 0.2490,
0.4163


453.6292, 0.2798,
0.3731


 49.9283, 0.2417,
0.4269

 116.4059, 0.2599,
0.4007


 35.3565, 0.2325,
0.4403


 147.4338, 0.2641,
0.3949


 23.9376, 0.2207,
0.4580


 183.5366, 0.2677,
0.3899

 15.2873, 0.2049,
0.4820

 225.0988, 0.2707,
0.3856

 9.0213, 0.1829,
0.5166

 272.5048, 0.2734,
0.3818

 4.7551, 0.1506,
0.5699

326.1389, 0.2758,

 2.1043, 0.0501,

0.3786

0.7005

386.3856, 0.2779,
0.3757

■ 0.6670, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.0376, 0.2490,
0.4163

■ 68.0376, 0.2490,
0.4163

■ 68.0318, 0.2490,
0.4165


■ 68.5075, 0.2478,
0.4066


■ 69.2394, 0.2483,
0.3969


■ 70.3118, 0.2509,
0.3871


■ 71.7712, 0.2554,
0.3774

 73.6565, 0.2618,
0.3680

 76.0020, 0.2698,
0.3590

 78.8384, 0.2793,
0.3505

 82.1935, 0.2898,
0.3426

 86.0932, 0.3011,
0.3354

Harmonies

Analogous

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



68.0376, 0.3218, 0.4718



68.0376, 0.2490, 0.4163



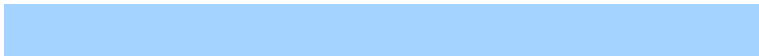
68.0376, 0.1974, 0.3301

Triad

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



68.0376, 0.2490, 0.4163



68.0376, 0.2221, 0.2088



68.0376, 0.4712, 0.3676

Complementary

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



68.0376, 0.2490, 0.4163



19.6081, 0.5937, 0.3046

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.



68.0376, 0.4402, 0.3100



68.0376, 0.2490, 0.4163



68.0376, 0.2866, 0.2237

Square

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



68.0376, 0.2490, 0.4163



68.0376, 0.1849, 0.2188



68.0376, 0.3684, 0.2595



68.0376, 0.4524, 0.4250

Rectangle

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



68.0376, 0.2490, 0.4163



68.0376, 0.1799, 0.2790



68.0376, 0.3684, 0.2595



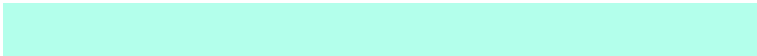
68.0376, 0.4666, 0.3481

Sweetspot

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



68.0403, 0.2490, 0.4163



87.0544, 0.2790, 0.3507



65.8405, 0.3105, 0.5915



18.3364, 0.2749, 0.3542



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.



68.0403, 0.2490, 0.4163



75.1952, 0.2491, 0.4167



42.1524, 0.2030, 0.2506



18.6803, 0.3015, 0.3352



37.0157, 0.2486, 0.4149



3.2700, 0.2452, 0.4028

Inverse Universe

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



19.6081, 0.5937, 0.3046



21.6531, 0.5949, 0.3051



22.1912, 0.6134, 0.3509



16.5529, 0.3253, 0.3229



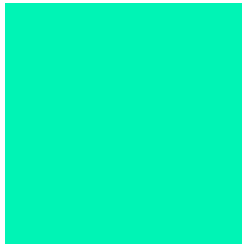
10.6726, 0.5904, 0.3026



0.9541, 0.5552, 0.2832

Previews

White Background



This preview shows how the Yxy color 68.0376, 0.2490, 0.4163 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 68.0376, 0.2490, 0.4163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

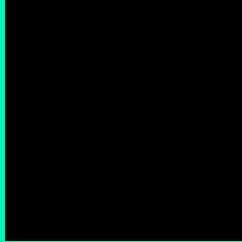
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

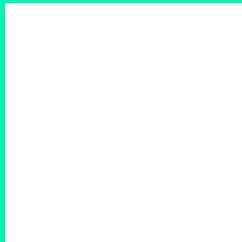
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.0376, 0.2490, 0.4163

Background



This preview shows how black text looks on a background with the Yxy color 68.0376, 0.2490, 0.4163.

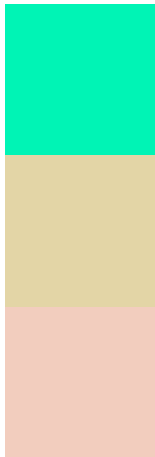


This preview shows how white text looks on a background with the Yxy color 68.0376, 0.2490, 0.4163.

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

68.0376, 0.2490, 0.4163

Protanopia

66.6726, 0.3570, 0.3817

Deuteranopia

66.2576, 0.3530, 0.3452



Tritanopia

67.6637, 0.2273, 0.3043

Trichromacy



Original Color

68.0376, 0.2490, 0.4163



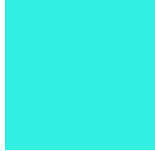
Protanomaly

62.2713, 0.2927, 0.3989



Deuteranomaly

61.1209, 0.2886, 0.3703



Tritanomaly

67.3732, 0.2330, 0.3431

Monochromacy



Original Color

68.0376, 0.2490, 0.4163



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

44.0455, 0.2656, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0376, 0.2490, 0.4163 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, 244, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 244, 181)  
}
```

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, 244, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 244, 181) }
```

Border

The CSS property to change the border of an element to Yxy 68.0376, 0.2490, 0.4163 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, 244, 181) }
```

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

```
.border{ border-color:rgb(0, 244, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 244, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 244, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 244, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 244,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0376, 0.2490, 0.4163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 244, 181) }
```

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

```
.background{ background-color: rgb(0, 244,  
181) }
```

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