

Converting Colors

$Y_{xy}(67.3254, 0.2451, 0.4025)$

Have a look what the booklet for
Yxy(67.3254, 0.2451, 0.4025)
contains.

Yxy(67.1784, 0.2450, 0.4021)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.1784, 0.2450, 0.4021)

Conversions

Conversions Part 1

Format	Color
Hex	00F2BD
RGB	0, 242, 189
RGB Percent	0%, 95%, 74%
CMY	1.0000, 0.0509, 0.2588
CMYK	1.00, 0.00, 0.22, 0.05
HSL	167°, 100%, 47%
HSV	167°, 100%, 95%
XYZ	40.9319, 67.1784, 58.9586
YIQ	163.6000, -127.2190, -67.7870

Conversions

Conversions Part 2

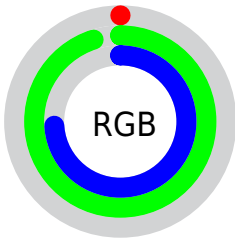
Format	Color
RYB	0, 136, 242
Decimal	62141
CIELab	85.59, -60.32, 12.15
CIELCh	86, 61.534, 168.614
Yxy	67.1784, 0.2450, 0.4021
Android (android.graphics.Color)	4278252221 (0xFF00F2BD)
YUV	163.6000, 12.5222, -143.4772
Hunter-Lab	81.9624, -54.2917, 14.7242

Details

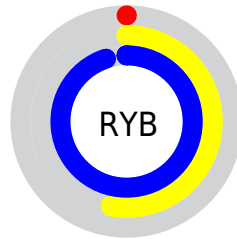
The Yxy color **67.1784, 0.2450, 0.4021** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **19.1362, 0.6059, 0.3112**, and the grayscale version is **36.9126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6233, 0.2464, 0.3405**, and **36.4755, 0.2492, 0.4171** is the 20% darker color. If you saturate the color by 10%, you get **67.1852, 0.2450, 0.4021**, and if you desaturate by 10%, it is **67.6163, 0.2442, 0.3941**.

Distribution



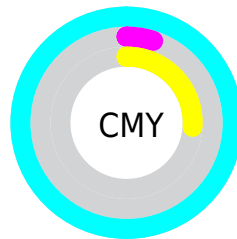
- Red (0%)
- Green (95%)
- Blue (74%)



- Red (0%)
- Yellow (53%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.1784, 0.2450, 0.4021 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 67.1784, 0.2450, 0.4021 by changing the saturation by 10% instead.


 67.1784, 0.2450,
0.4021


 67.1784, 0.2450,
0.4021


450.5795, 0.2773,
0.3663


 49.2296, 0.2374,
0.4108


 115.1760, 0.2564,
0.3893


 34.8017, 0.2280,
0.4218


 145.9936, 0.2607,
0.3844

 23.5101, 0.2159,
0.4361


 181.8696, 0.2645,
0.3803

 14.9706, 0.1998,
0.4556

 223.1884, 0.2677,
0.3767

 8.7988, 0.1778,
0.4834

 270.3344, 0.2706,
0.3736

 4.6102, 0.1460,
0.5259

323.6920, 0.2731,

 2.0204, 0.0522,

0.3709

0.6273

383.6456, 0.2753,
0.3684

■ 0.6193, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.1784, 0.2450,
0.4021

■ 67.1784, 0.2450,
0.4021

■ 67.1852, 0.2450,
0.4021

■ 67.6163, 0.2442,
0.3941

■ 68.3007, 0.2451,
0.3859

■ 69.3151, 0.2479,
0.3778

■ 70.7049, 0.2527,
0.3697

■ 72.5085, 0.2594,
0.3619

■ 74.7594, 0.2678,
0.3543

■ 77.4878, 0.2776,
0.3472

■ 80.7209, 0.2886,
0.3406

■ 84.4842, 0.3004,
0.3345

Harmonies

Analogous

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



67.1784, 0.3131, 0.4602



67.1784, 0.2450, 0.4021



67.1784, 0.1986, 0.3208

Triad

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



67.1784, 0.2450, 0.4021



67.1784, 0.2325, 0.2145



67.1784, 0.4637, 0.3737

Complementary

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



67.1784, 0.2450, 0.4021



19.1362, 0.6059, 0.3112

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.



67.1784, 0.4397, 0.3180



67.1784, 0.2450, 0.4021



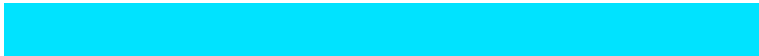
67.1784, 0.2971, 0.2314

Square

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



67.1784, 0.2450, 0.4021



67.1784, 0.1933, 0.2213



67.1784, 0.3752, 0.2680



67.1784, 0.4412, 0.4276

Rectangle

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



67.1784, 0.2450, 0.4021



67.1784, 0.1840, 0.2744



67.1784, 0.3752, 0.2680



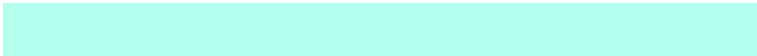
67.1784, 0.4611, 0.3549

Sweetspot

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



67.1852, 0.2450, 0.4021



87.2318, 0.2775, 0.3473



64.3649, 0.3081, 0.5936



18.3791, 0.2732, 0.3502



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.



67.1852, 0.2450, 0.4021



75.6508, 0.2451, 0.4023



38.0435, 0.1996, 0.2384



17.8662, 0.3010, 0.3342



36.1101, 0.2447, 0.4008



3.0185, 0.2417, 0.3901

Inverse Universe

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



19.1362, 0.6059, 0.3112



21.5440, 0.6065, 0.3115



22.6067, 0.6068, 0.3564



15.8155, 0.3259, 0.3238



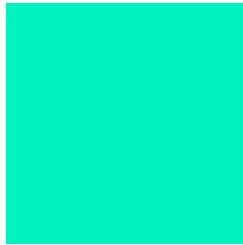
10.2956, 0.6022, 0.3091



0.8709, 0.5662, 0.2893

Previews

White Background



This preview shows how the Yxy color 67.1784, 0.2450, 0.4021 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 67.1784, 0.2450, 0.4021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

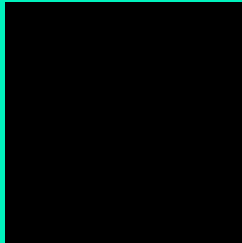
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.1784, 0.2450, 0.4021

Background



This preview shows how black text looks on a background with the Yxy color 67.1784, 0.2450, 0.4021.



This preview shows how white text looks on a background with the Yxy color 67.1784, 0.2450, 0.4021.

Color Blindness Simulation

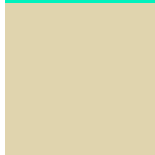
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



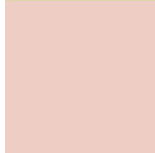
Original Color

67.1784, 0.2450, 0.4021



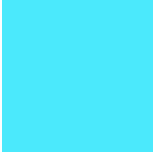
Protanopia

65.9903, 0.3490, 0.3719



Deuteranopia

65.8710, 0.3444, 0.3377



Tritanopia

66.8020, 0.2268, 0.3053

Trichromacy



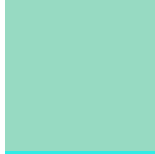
Original Color

67.1784, 0.2450, 0.4021



Protanomaly

61.8697, 0.2868, 0.3869



Deuteranomaly

60.6172, 0.2825, 0.3599



Tritanomaly

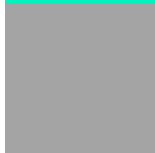
66.2764, 0.2312, 0.3379

Monochromacy



Original Color

67.1784, 0.2450, 0.4021



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

43.6595, 0.2631, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1784, 0.2450, 0.4021 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, 242, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 189)  
}
```

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, 242, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 189) }
```

Border

The CSS property to change the border of an element to Yxy 67.1784, 0.2450, 0.4021 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, 242, 189) }
```

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

```
.border{ border-color:rgb(0, 242, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1784, 0.2450, 0.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 189) }
```

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

```
.background{ background-color: rgb(0, 242,  
189) }
```

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