

Converting Colors

$Y_{xy}(67.0709, 0.2476, 0.4114)$

Have a look what the booklet for
Yxy(67.0709, 0.2476, 0.4114)
contains.

Yxy(66.9232, 0.2475, 0.4110)	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(66.9232, 0.2475, 0.4110)

Conversions

Conversions Part 1

Format	Color
Hex	00F2B7
RGB	0, 242, 183
RGB Percent	0%, 95%, 72%
CMY	1.0000, 0.0510, 0.2822
CMYK	1.00, 0.00, 0.24, 0.05
HSL	165°, 100%, 47%
HSV	165°, 100%, 95%
XYZ	40.3005, 66.9232, 55.6065
YIQ	162.9160, -125.2930, -69.6530

Conversions

Conversions Part 2

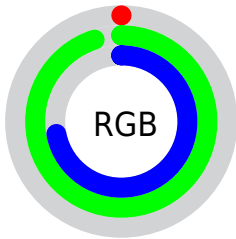
Format	Color
RYB	0, 138, 242
Decimal	62135
CIELab	85.47, -61.72, 15.08
CIELCh	85, 63.534, 166.274
Yxy	66.9232, 0.2475, 0.4110
Android (android.graphics.Color)	4278252215 (0xFF00F2B7)
YUV	162.9160, 9.9014, -142.8773
Hunter-Lab	81.8066, -55.2269, 16.9634

Details

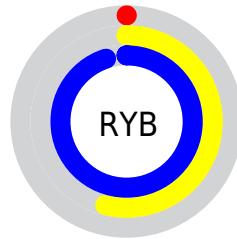
The Yxy color **66.9232, 0.2475, 0.4110** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **19.1934, 0.5988, 0.3072**, and the grayscale version is **36.5830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2627, 0.2488, 0.3477**, and **36.3096, 0.2524, 0.4287** is the 20% darker color. If you saturate the color by 10%, you get **66.9262, 0.2475, 0.4110**, and if you desaturate by 10%, it is **67.3737, 0.2465, 0.4020**.

Distribution



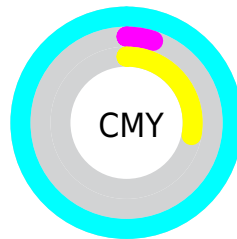
- Red (0%)
- Green (95%)
- Blue (72%)



- Red (0%)
- Yellow (54%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9232, 0.2475, 0.4110 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 66.9232, 0.2475, 0.4110 by changing the saturation by 10% instead.


 66.9232, 0.2475,
0.4110

 66.9232, 0.2475,
0.4110


449.6714, 0.2789,
0.3705

 49.0222, 0.2401,
0.4209


 114.8104, 0.2586,
0.3964


 34.6371, 0.2307,
0.4335


 145.5653, 0.2629,
0.3909


 23.3835, 0.2187,
0.4500


 181.3737, 0.2665,
0.3862

 14.8769, 0.2027,
0.4726

 222.6200, 0.2697,
0.3822

 8.7330, 0.1805,
0.5050

 269.6885, 0.2724,
0.3787

 4.5675, 0.1480,
0.5550

322.9636, 0.2748,

 1.9958, 0.0412,

0.3756

0.6820

382.8298, 0.2770,
0.3729

■ 0.6050, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.9232, 0.2475,
0.4110

■ 66.9232, 0.2475,
0.4110


■ 66.9262, 0.2475,
0.4110

■ 67.3737, 0.2465,
0.4020

■ 68.0765, 0.2471,
0.3928

■ 69.1110, 0.2497,
0.3836

■ 70.5230, 0.2543,
0.3746

 72.3508, 0.2608,
0.3658

 74.6279, 0.2690,
0.3573

 77.3845, 0.2785,
0.3494

 80.6479, 0.2892,
0.3420

 84.4436, 0.3007,
0.3352

Harmonies

Analogous

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



66.9232, 0.3186, 0.4675



66.9232, 0.2475, 0.4110



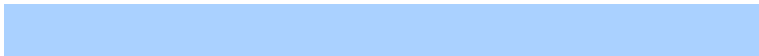
66.9232, 0.1978, 0.3266

Triad

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



66.9232, 0.2475, 0.4110



66.9232, 0.2259, 0.2109



66.9232, 0.4685, 0.3699

Complementary

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



66.9232, 0.2475, 0.4110



19.1934, 0.5988, 0.3072

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.



66.9232, 0.4401, 0.3130



66.9232, 0.2475, 0.4110



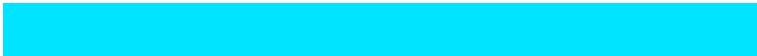
66.9232, 0.2905, 0.2265

Square

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



66.9232, 0.2475, 0.4110



66.9232, 0.1880, 0.2197



66.9232, 0.3709, 0.2626



66.9232, 0.4482, 0.4260

Rectangle

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



66.9232, 0.2475, 0.4110



66.9232, 0.1814, 0.2773



66.9232, 0.3709, 0.2626



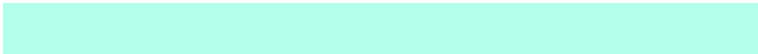
66.9232, 0.4646, 0.3506

Sweetspot

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



66.9262, 0.2475, 0.4110



87.1211, 0.2785, 0.3494



64.4826, 0.3092, 0.5927



18.3525, 0.2743, 0.3527



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.



66.9262, 0.2475, 0.4110



75.3638, 0.2476, 0.4112



39.6635, 0.2012, 0.2444



17.8593, 0.3013, 0.3348



35.9749, 0.2471, 0.4095



3.0083, 0.2438, 0.3975

Inverse Universe

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



19.1934, 0.5988, 0.3072



21.6094, 0.5995, 0.3076



22.1623, 0.6104, 0.3536



15.8220, 0.3255, 0.3233



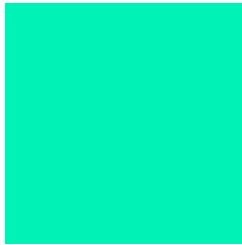
10.3285, 0.5948, 0.3051



0.8745, 0.5581, 0.2848

Previews

White Background



This preview shows how the Yxy color 66.9232, 0.2475, 0.4110 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 66.9232, 0.2475, 0.4110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

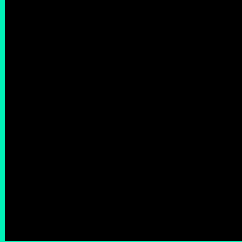
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.9232, 0.2475, 0.4110

Background



This preview shows how black text looks on a background with the Yxy color 66.9232, 0.2475, 0.4110.

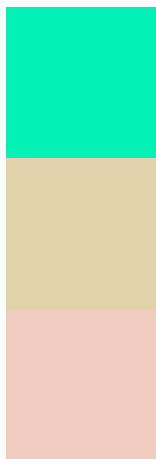


This preview shows how white text looks on a background with the Yxy color 66.9232, 0.2475, 0.4110.

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

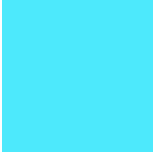
66.9232, 0.2475, 0.4110

Protanopia

65.4232, 0.3544, 0.3776

Deuteranopia

65.4726, 0.3508, 0.3431



Tritanopia

66.8839, 0.2272, 0.3054

Trichromacy



Original Color

66.9232, 0.2475, 0.4110



Protanomaly

61.0993, 0.2902, 0.3941



Deuteranomaly

60.5460, 0.2873, 0.3678



Tritanomaly

66.1899, 0.2322, 0.3405

Monochromacy



Original Color

66.9232, 0.2475, 0.4110



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

43.5446, 0.2649, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9232, 0.2475, 0.4110 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 183)  
}
```

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, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 183) }
```

Border

The CSS property to change the border of an element to Yxy 66.9232, 0.2475, 0.4110 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, 183) }
```

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

```
.border{ border-color:rgb(0, 242, 183) }
```

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, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9232, 0.2475, 0.4110 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, 183) }
```

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

```
.background{ background-color: rgb(0, 242,  
183) }
```

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