

Converting Colors

$Y_{xy}(70.3350, 0.2475, 0.4108)$

Have a look what the booklet for
Yxy(70.3350, 0.2475, 0.4108)
contains.

Yxy(70.1158, 0.2475, 0.4108)	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(70.1158, 0.2475, 0.4108)

Conversions

Conversions Part 1

Format	Color
Hex	01F7BB
RGB	1, 247, 187
RGB Percent	0%, 97%, 73%
CMY	0.9957, 0.0314, 0.2667
CMYK	1.00, 0.00, 0.24, 0.03
HSL	165°, 99%, 49%
HSV	165°, 100%, 97%
XYZ	42.2436, 70.1158, 58.3217
YIQ	166.6060, -127.3560, -70.8120

Conversions

Conversions Part 2

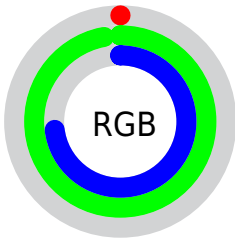
Format	Color
R _Y B	1, 141, 247
Decimal	128955
CIE Lab	87.05, -62.62, 15.25
CIE LCh	87, 64.455, 166.311
Yxy	70.1158, 0.2475, 0.4108
Android (android.graphics.Color)	4278319035 (0xFF01F7BB)
YUV	166.6060, 10.0542, -145.2365
Hunter-Lab	83.7352, -56.4851, 17.3190

Details

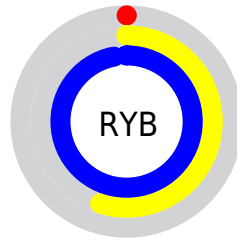
The Yxy color **70.1158, 0.2475, 0.4108** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **20.1365, 0.5978, 0.3070**, and the grayscale version is **38.4544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5685, 0.2475, 0.3429**, and **38.1164, 0.2518, 0.4266** is the 20% darker color. If you saturate the color by 10%, you get **70.1000, 0.2476, 0.4112**, and if you desaturate by 10%, it is **70.5920, 0.2465, 0.4017**.

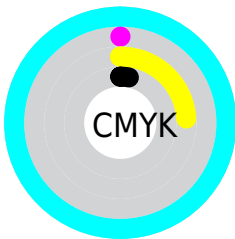
Distribution



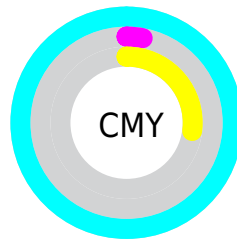
- Red (0%)
- Green (97%)
- Blue (73%)



- Red (0%)
- Yellow (55%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1158, 0.2475, 0.4108 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 70.1158, 0.2475, 0.4108 by changing the saturation by 10% instead.


 70.1158, 0.2475,
0.4108


 70.1158, 0.2475,
0.4108


460.9565, 0.2786,
0.3707

 51.6209, 0.2402,
0.4205


 119.3739, 0.2585,
0.3964

 36.7030, 0.2311,
0.4328

 150.9059, 0.2627,
0.3910


 24.9776, 0.2193,
0.4489


 187.5524, 0.2663,
0.3863

 16.0604, 0.2039,
0.4706

 229.6978, 0.2694,
0.3824

 9.5669, 0.1825,
0.5015

 277.7266, 0.2722,
0.3789

 5.1128, 0.1517,
0.5487


332.0230, 0.2746,

 2.3136, 0.0744,


0.3758


0.6483


392.9715, 0.2767,
0.3731


 0.7809, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 70.1158, 0.2475,
0.4108


 70.1158, 0.2475,
0.4108

 70.1000, 0.2476,
0.4112

 70.5920, 0.2465,
0.4017


 71.3405, 0.2472,
0.3926


 72.4391, 0.2498,
0.3834


 73.9357, 0.2545,
0.3743

 75.8702, 0.2611,
0.3655

 78.2777, 0.2693,
0.3570

 81.1899, 0.2790,
0.3491

 84.6353, 0.2897,
0.3417

 88.6405, 0.3012,
0.3349

Harmonies

Analogous

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



70.1158, 0.3185, 0.4673



70.1158, 0.2475, 0.4108



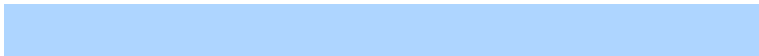
70.1158, 0.1979, 0.3265

Triad

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



70.1158, 0.2475, 0.4108



70.1158, 0.2261, 0.2110



70.1158, 0.4683, 0.3700

Complementary

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



70.1158, 0.2475, 0.4108



20.1365, 0.5978, 0.3070

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.



70.1158, 0.4400, 0.3131



70.1158, 0.2475, 0.4108



70.1158, 0.2906, 0.2267

Square

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



70.1158, 0.2475, 0.4108



70.1158, 0.1881, 0.2198



70.1158, 0.3710, 0.2628



70.1158, 0.4481, 0.4260

Rectangle

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



70.1158, 0.2475, 0.4108



70.1158, 0.1815, 0.2773



70.1158, 0.3710, 0.2628



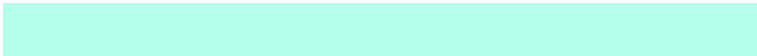
70.1158, 0.4645, 0.3507

Sweetspot

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



70.1185, 0.2475, 0.4108



87.1198, 0.2785, 0.3494



67.5686, 0.3094, 0.5923



18.3521, 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.



70.1185, 0.2475, 0.4108



75.3605, 0.2476, 0.4114



41.6414, 0.2014, 0.2448



18.6846, 0.3013, 0.3348



37.0961, 0.2471, 0.4097



3.2765, 0.2440, 0.3983

Inverse Universe

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



20.1365, 0.5978, 0.3070



21.6102, 0.5994, 0.3075



23.2851, 0.6096, 0.3538



16.5488, 0.3255, 0.3232



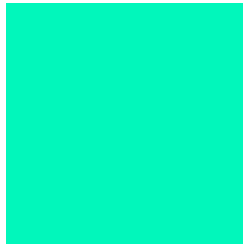
10.6506, 0.5950, 0.3051



0.9517, 0.5602, 0.2860

Previews

White Background



This preview shows how the Yxy color 70.1158, 0.2475, 0.4108 looks on a white background.

Color Contrast Check

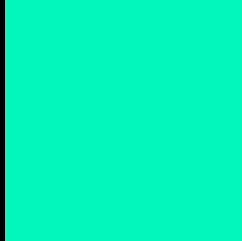
Large Text (above 18pt) WCAG AA × Fail

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 70.1158, 0.2475, 0.4108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

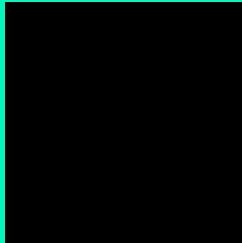
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.1158, 0.2475, 0.4108

Background



This preview shows how black text looks on a background with the Yxy color 70.1158, 0.2475, 0.4108.

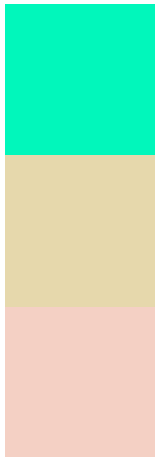


This preview shows how white text looks on a background with the Yxy color 70.1158, 0.2475, 0.4108.

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

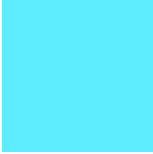
70.1158, 0.2475, 0.4108

Protanopia

68.9133, 0.3542, 0.3777

Deuteranopia

68.3304, 0.3493, 0.3418



Tritanopia

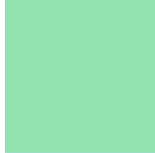
70.1155, 0.2315, 0.3071

Trichromacy



Original Color

70.1158, 0.2475, 0.4108



Protanomaly

64.3155, 0.2906, 0.3939



Deuteranomaly

63.1607, 0.2865, 0.3658



Tritanomaly

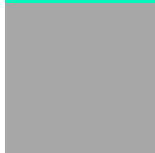
69.5844, 0.2345, 0.3428

Monochromacy



Original Color

70.1158, 0.2475, 0.4108



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

45.6616, 0.2650, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1158, 0.2475, 0.4108 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(1, 247, 187)` looks like.

```
.text, #text, p{  
    color:rgb(1, 247, 187)  
}
```

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(1, 247, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 247, 187) }
```

Border

The CSS property to change the border of an element to Yxy 70.1158, 0.2475, 0.4108 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(1, 247, 187) }
```

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

```
.border{ border-color:rgb(1, 247, 187) }
```

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

Here you see how a box with a 4 pixel rgb(1, 247, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 247, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 247, 187);  
box-shadow:4px 4px 4px 4px rgb(1, 247,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1158, 0.2475, 0.4108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 247, 187) }
```

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

```
.background{ background-color: rgb(1, 247,  
187) }
```

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