

Converting Colors

$Y_{xy}(80.0242, 0.2107, 0.4226)$

Have a look what the booklet for
Yxy(80.0242, 0.2107, 0.4226)
contains.

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Color

Yxy(75.7843, 0.2440, 0.3983)

Conversions

Conversions Part 1

Format	Color
Hex	01FFCA
RGB	1, 255, 202
RGB Percent	0%, 100%, 79%
CMY	0.9978, 0.0000, 0.2078
CMYK	1.00, 0.00, 0.21, 0.00
HSL	168°, 100%, 50%
HSV	168°, 100%, 100%
XYZ	46.4257, 75.7843, 68.0594
YIQ	173.0120, -134.3710, -70.3310

Conversions

Conversions Part 2

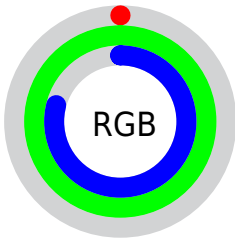
Format	Color
RYB	1, 143, 255
Decimal	131018
CIELab	89.76, -62.09, 11.34
CIELCh	90, 63.114, 169.650
Yxy	75.7843, 0.2440, 0.3983
Android (android.graphics.Color)	4278321098 (0xFF01FFCA)
YUV	173.0120, 14.2911, -150.8545
Hunter-Lab	87.0542, -57.1513, 14.5847

Details

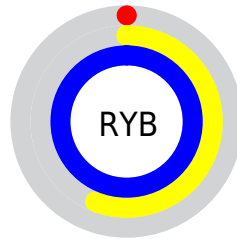
The Yxy color **75.7843, 0.2440, 0.3983** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.5343, 0.6089, 0.3129**, and the grayscale version is **41.7026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **42.0706, 0.2477, 0.4117** is the 20% darker color. If you saturate the color by 10%, you get **75.7780, 0.2440, 0.3985**, and if you desaturate by 10%, it is **76.2600, 0.2433, 0.3907**.

Distribution



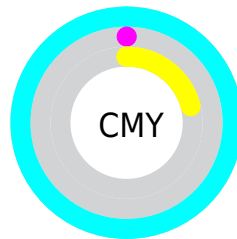
- Red (0%)
- Green (100%)
- Blue (79%)



- Red (0%)
- Yellow (56%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7843, 0.2440, 0.3983 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 75.7843, 0.2440, 0.3983 by changing the saturation by 10% instead.


 75.7843, 0.2440,
0.3983


 75.7843, 0.2440,
0.3983

480.6090, 0.2760,
0.3652

 56.2557, 0.2367,
0.4061

 127.4220, 0.2551,
0.3866


 40.4079, 0.2277,
0.4159


 160.2998, 0.2594,
0.3821


 27.8567, 0.2163,
0.4284


 198.3961, 0.2631,
0.3783

 18.2177, 0.2015,
0.4452

 242.0953, 0.2664,
0.3749

 11.1064, 0.1816,
0.4684

 291.7818, 0.2692,
0.3720

 6.1384, 0.1537,
0.5027

347.8400, 0.2717,

 2.9294, 0.1078,

0.3695

0.5605

410.6542, 0.2740,
0.3672

 1.0950, 0.0000,
0.7406


 0.0000, 0.0000,
0.0000


 75.7843, 0.2440,
0.3983


 75.7843, 0.2440,
0.3983

 75.7780, 0.2440,
0.3985

 76.2600, 0.2433,
0.3907


 77.0229, 0.2442,
0.3830

 78.1584, 0.2471,
0.3752


 79.7183, 0.2520,
0.3676

 81.7461, 0.2588,
0.3601

 84.2798, 0.2674,
0.3530

 87.3535, 0.2773,
0.3462

 90.9983, 0.2885,
0.3399

 95.2429, 0.3005,
0.3341

Harmonies

Analogous

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



75.7843, 0.3108, 0.4569



75.7843, 0.2440, 0.3983



75.7843, 0.1991, 0.3185

Triad

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



75.7843, 0.2440, 0.3983



75.7843, 0.2354, 0.2161



75.7843, 0.4616, 0.3754

Complementary

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



75.7843, 0.2440, 0.3983



21.5343, 0.6089, 0.3129

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.



75.7843, 0.4394, 0.3201



75.7843, 0.2440, 0.3983



75.7843, 0.3000, 0.2336

Square

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



75.7843, 0.2440, 0.3983



75.7843, 0.1957, 0.2220



75.7843, 0.3769, 0.2703



75.7843, 0.4381, 0.4282

Rectangle

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



75.7843, 0.2440, 0.3983



75.7843, 0.1852, 0.2733



75.7843, 0.3769, 0.2703



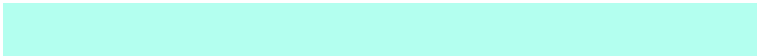
75.7843, 0.4595, 0.3568

Sweetspot

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



75.7872, 0.2440, 0.3983



87.2801, 0.2771, 0.3464



72.3523, 0.3070, 0.5943



18.3908, 0.2727, 0.3492



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.



75.7872, 0.2440, 0.3983



75.7789, 0.2440, 0.3985



41.0533, 0.1979, 0.2323



20.4128, 0.3008, 0.3340



39.6186, 0.2437, 0.3972



3.8730, 0.2412, 0.3885

Inverse Universe

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



21.5343, 0.6089, 0.3129



21.5181, 0.6094, 0.3131



25.9810, 0.6029, 0.3593



18.0490, 0.3261, 0.3241



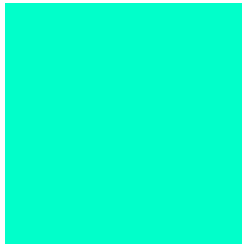
11.2609, 0.6058, 0.3111



1.1114, 0.5756, 0.2945

Previews

White Background



This preview shows how the Yxy color 75.7843, 0.2440, 0.3983 looks on a white background.

Color Contrast Check

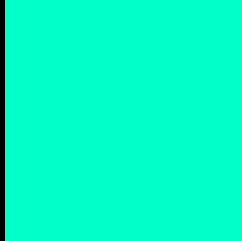
Large Text (above 18pt) WCAG AA × Fail

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 75.7843, 0.2440, 0.3983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

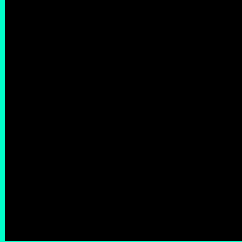
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7843, 0.2440, 0.3983

Background



This preview shows how black text looks on a background with the Yxy color 75.7843, 0.2440, 0.3983.

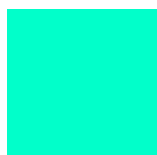


This preview shows how white text looks on a background with the Yxy color 75.7843, 0.2440, 0.3983.

Color Blindness Simulation

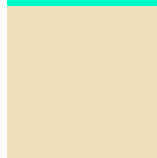
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



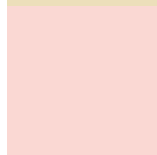
Original Color

75.7907, 0.2440, 0.3983



Protanopia

74.1534, 0.3473, 0.3688



Deuteranopia

74.1389, 0.3414, 0.3342



Tritanopia

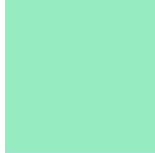
75.1156, 0.2490, 0.3116

Trichromacy



Original Color

75.7907, 0.2440, 0.3983



Protanomaly

69.7065, 0.2845, 0.3828



Deuteranomaly

68.5186, 0.2803, 0.3558



Tritanomaly

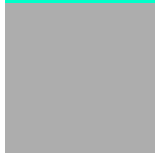
73.4848, 0.2401, 0.3399

Monochromacy



Original Color

75.7907, 0.2440, 0.3983



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

49.4876, 0.2623, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7843, 0.2440, 0.3983 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, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 202)  
}
```

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, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 202) }
```

Border

The CSS property to change the border of an element to Yxy 75.7843, 0.2440, 0.3983 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, 255, 202) }
```

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

```
.border{ border-color:rgb(1, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(1, 255,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7843, 0.2440, 0.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 255, 202) }
```

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

```
.background{ background-color: rgb(1, 255,  
202) }
```

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](#).

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