

Converting Colors

$Y_{xy}(76.2932, 0.2400, 0.3838)$

Have a look what the booklet for
Yxy(76.2932, 0.2400, 0.3838)
contains.

Yxy(76.2799, 0.2402, 0.3844)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.2799, 0.2402, 0.3844)

Conversions

Conversions Part 1

Format	Color
Hex	02FFD4
RGB	2, 255, 212
RGB Percent	1%, 100%, 83%
CMY	0.9918, 0.0000, 0.1686
CMYK	0.99, 0.00, 0.17, 0.00
HSL	170°, 100%, 50%
HSV	170°, 99%, 100%
XYZ	47.6650, 76.2799, 74.4940
YIQ	174.4510, -136.9850, -67.0090

Conversions

Conversions Part 2

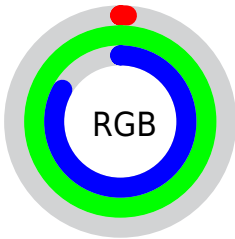
Format	Color
RYB	2, 140, 255
Decimal	196564
CIELab	89.99, -59.61, 6.51
CIELCh	90, 59.960, 173.769
Yxy	76.2799, 0.2402, 0.3844
Android (android.graphics.Color)	4278386644 (0xFF02FFD4)
YUV	174.4510, 18.5117, -151.2395
Hunter-Lab	87.3384, -55.4256, 10.5663

Details

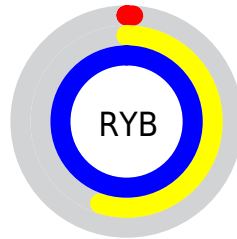
The Yxy color **76.2799, 0.2402, 0.3844** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.4941, 0.6168, 0.3176**, and the grayscale version is **42.5376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **42.3668, 0.2432, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **76.2516, 0.2403, 0.3849**, and if you desaturate by 10%, it is **76.7322, 0.2399, 0.3783**.

Distribution



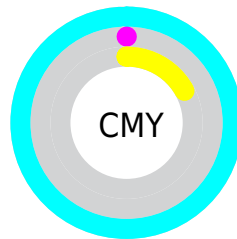
- Red (1%)
- Green (100%)
- Blue (83%)



- Red (1%)
- Yellow (55%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (99%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2799, 0.2402, 0.3844 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 76.2799, 0.2402, 0.3844 by changing the saturation by 10% instead.

 76.2799, 0.2402,
0.3844


 76.2799, 0.2402,
0.3844


482.3053, 0.2735,
0.3584


 56.6621, 0.2327,
0.3904


 128.1225, 0.2517,
0.3753


 40.7340, 0.2235,
0.3979


 161.1160, 0.2562,
0.3718


 28.1113, 0.2119,
0.4074


 199.3369, 0.2600,
0.3688

 18.4096, 0.1971,
0.4198

 243.1695, 0.2634,
0.3662

 11.2444, 0.1773,
0.4369

 292.9983, 0.2664,
0.3639

 6.2315, 0.1500,
0.4614


349.2076, 0.2690,

 2.9863, 0.1086,


0.3618


0.5005


412.1818, 0.2714,
0.3600

 1.1246, 0.0000,
0.6002


 0.0000, 0.0000,
0.0000

 76.2799, 0.2402,
0.3844


 76.2799, 0.2402,
0.3844


 76.2516, 0.2403,
0.3849

 76.7322, 0.2399,
0.3783


 77.4778, 0.2413,
0.3721

 78.5967, 0.2446,
0.3660

 80.1398, 0.2499,
0.3598

 82.1502, 0.2572,
0.3539

 84.6657, 0.2661,
0.3481

 87.7200, 0.2765,
0.3427

 91.3441, 0.2882,
0.3376

 95.5666, 0.3007,
0.3329

Harmonies

Analogous

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



76.2799, 0.3020, 0.4445



76.2799, 0.2402, 0.3844



76.2799, 0.2006, 0.3098

Triad

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



76.2799, 0.2402, 0.3844



76.2799, 0.2464, 0.2221



76.2799, 0.4535, 0.3814

Complementary

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



76.2799, 0.2402, 0.3844



21.4941, 0.6168, 0.3176

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.



76.2799, 0.4384, 0.3282



76.2799, 0.2402, 0.3844



76.2799, 0.3106, 0.2416

Square

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



76.2799, 0.2402, 0.3844



76.2799, 0.2046, 0.2247



76.2799, 0.3833, 0.2791



76.2799, 0.4266, 0.4301

Rectangle

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



76.2799, 0.2402, 0.3844



76.2799, 0.1897, 0.2691



76.2799, 0.3833, 0.2791



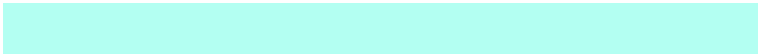
76.2799, 0.4535, 0.3636

Sweetspot

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



76.2828, 0.2402, 0.3844



87.4547, 0.2756, 0.3431



72.1601, 0.3053, 0.5953



18.4329, 0.2711, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

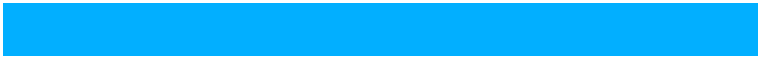
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2828, 0.2402, 0.3844



76.2556, 0.2403, 0.3849



37.8557, 0.1948, 0.2209



20.4253, 0.3003, 0.3331



39.8647, 0.2400, 0.3839



3.8949, 0.2380, 0.3769

Inverse Universe

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



21.4941, 0.6168, 0.3176



21.4370, 0.6186, 0.3182



27.3235, 0.5935, 0.3663



18.0375, 0.3267, 0.3250



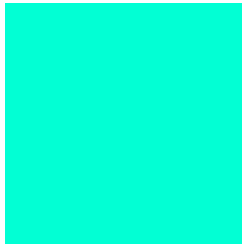
11.2159, 0.6154, 0.3164



1.1054, 0.5872, 0.3008

Previews

White Background



This preview shows how the Yxy color 76.2799, 0.2402, 0.3844 looks on a white background.

Color Contrast Check

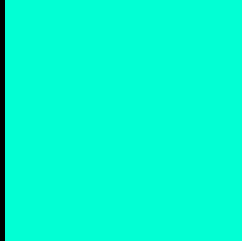
Large Text (above 18pt) WCAG AA × Fail

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 76.2799, 0.2402, 0.3844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

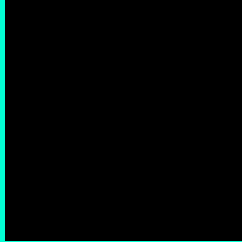
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

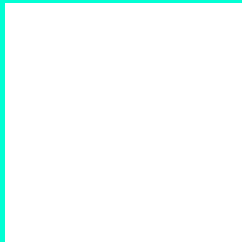
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.2799, 0.2402, 0.3844

Background



This preview shows how black text looks on a background with the Yxy color 76.2799, 0.2402, 0.3844.



This preview shows how white text looks on a background with the Yxy color 76.2799, 0.2402, 0.3844.

Color Blindness Simulation

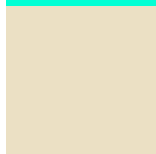
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



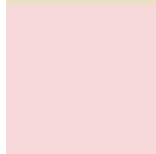
Original Color

76.2864, 0.2402, 0.3844



Protanopia

74.9590, 0.3395, 0.3590



Deuteranopia

74.5672, 0.3326, 0.3260



Tritanopia

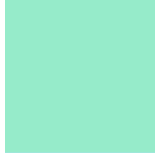
75.2910, 0.2498, 0.3116

Trichromacy



Original Color

76.2864, 0.2402, 0.3844



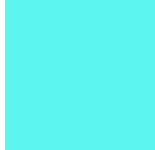
Protanomaly

70.1650, 0.2790, 0.3698



Deuteranomaly

69.4307, 0.2749, 0.3458



Tritanomaly

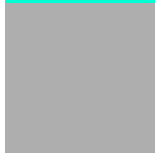
73.7610, 0.2395, 0.3361

Monochromacy



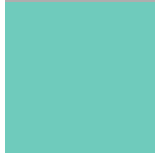
Original Color

76.2864, 0.2402, 0.3844



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

49.7222, 0.2606, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2799, 0.2402, 0.3844 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(2, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(2, 255, 212)  
}
```

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(2, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 76.2799, 0.2402, 0.3844 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(2, 255, 212) }
```

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

```
.border{ border-color:rgb(2, 255, 212) }
```

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

Here you see how a box with a 4 pixel rgb(2, 255, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(2, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2799, 0.2402, 0.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 255, 212) }
```

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

```
.background{ background-color: rgb(2, 255,  
212) }
```

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](#)