

Converting Colors

$Y_{xy}(71.4023, 0.2384, 0.3780)$

Have a look what the booklet for
Yxy(71.4023, 0.2384, 0.3780)
contains.

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Color

Yxy(71.1811, 0.2383, 0.3778)

Conversions

Conversions Part 1

Format	Color
Hex	00F7D2
RGB	0, 247, 210
RGB Percent	0%, 97%, 82%
CMY	0.9983, 0.0313, 0.1766
CMYK	1.00, 0.00, 0.15, 0.03
HSL	171°, 100%, 49%
HSV	171°, 100%, 97%
XYZ	44.8980, 71.1811, 72.3304
YIQ	168.9290, -135.3350, -63.8710

Conversions

Conversions Part 2

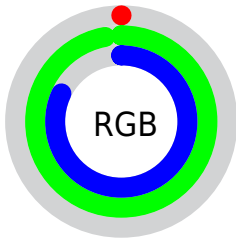
Format	Color
RYB	0, 133, 247
Decimal	63442
CIELab	87.57, -57.03, 4.07
CIELCh	88, 57.177, 175.923
Yxy	71.1811, 0.2383, 0.3778
Android (android.graphics.Color)	4278253522 (0xFF00F7D2)
YUV	168.9290, 20.2480, -148.1507
Hunter-Lab	84.3689, -52.6545, 8.2282

Details

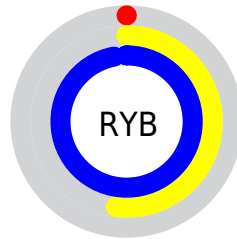
The Yxy color **71.1811, 0.2383, 0.3778** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **19.9221, 0.6221, 0.3202**, and the grayscale version is **39.6558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **38.7955, 0.2404, 0.3854** is the 20% darker color. If you saturate the color by 10%, you get **71.1779, 0.2383, 0.3779**, and if you desaturate by 10%, it is **71.5764, 0.2382, 0.3725**.

Distribution



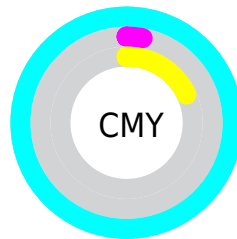
- Red (0%)
- Green (97%)
- Blue (82%)



- Red (0%)
- Yellow (52%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1811, 0.2383, 0.3778 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 71.1811, 0.2383, 0.3778 by changing the saturation by 10% instead.

 71.1811, 0.2383,
0.3778

 71.1811, 0.2383,
0.3778


464.6863, 0.2727,
0.3548

 52.4900, 0.2305,
0.3831


 120.8916, 0.2502,
0.3698

 37.3958, 0.2209,
0.3897

 152.6797, 0.2549,
0.3667


 25.5141, 0.2088,
0.3981


 189.6023, 0.2589,
0.3640

 16.4605, 0.1931,
0.4092

 232.0438, 0.2624,
0.3617

 9.8506, 0.1722,
0.4242

 280.3885, 0.2654,
0.3597

 5.3000, 0.1431,
0.4460

335.0209, 0.2681,

 2.4243, 0.0913,

0.3579

0.4846

396.3254, 0.2706,
0.3563

■ 0.8384, 0.0000,
0.5715

■ 0.0000, 0.0000,
0.0000

■ 71.1811, 0.2383,
0.3778

■ 71.1811, 0.2383,
0.3778

■ 71.1779, 0.2383,
0.3779

■ 71.5764, 0.2382,
0.3725

■ 72.2332, 0.2396,
0.3671

■ 73.2321, 0.2430,
0.3617

■ 74.6209, 0.2483,
0.3564

■ 76.4397, 0.2556,
0.3511

■ 78.7236, 0.2646,
0.3461

■ 81.5042, 0.2752,
0.3413

■ 84.8102, 0.2869,
0.3368

■ 88.6681, 0.2996,
0.3327

Harmonies

Analogous

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



71.1811, 0.2977, 0.4385



71.1811, 0.2383, 0.3778



71.1811, 0.2013, 0.3057

Triad

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



71.1811, 0.2383, 0.3778



71.1811, 0.2518, 0.2249



71.1811, 0.4497, 0.3843

Complementary

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



71.1811, 0.2383, 0.3778



19.9221, 0.6221, 0.3202

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.



71.1811, 0.4378, 0.3321



71.1811, 0.2383, 0.3778



71.1811, 0.3158, 0.2456

Square

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



71.1811, 0.2383, 0.3778



71.1811, 0.2090, 0.2260



71.1811, 0.3864, 0.2834



71.1811, 0.4210, 0.4310

Rectangle

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



71.1811, 0.2383, 0.3778



71.1811, 0.1918, 0.2670



71.1811, 0.3864, 0.2834



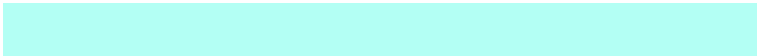
71.1811, 0.4506, 0.3670

Sweetspot

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



71.1838, 0.2383, 0.3778



87.5462, 0.2749, 0.3414



67.0122, 0.3044, 0.5964



18.4550, 0.2703, 0.3434



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.



71.1838, 0.2383, 0.3778



76.5143, 0.2383, 0.3780



33.5629, 0.1929, 0.2142



18.7125, 0.3001, 0.3326



37.6563, 0.2381, 0.3770



3.3210, 0.2362, 0.3703

Inverse Universe

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



19.9221, 0.6221, 0.3202



21.4019, 0.6227, 0.3204



25.9058, 0.5905, 0.3692



16.5231, 0.3270, 0.3255



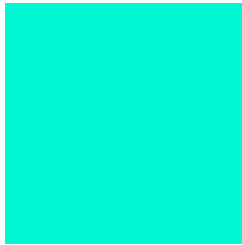
10.5415, 0.6194, 0.3186



0.9385, 0.5893, 0.3020

Previews

White Background



This preview shows how the Yxy color 71.1811, 0.2383, 0.3778 looks on a white background.

Color Contrast Check

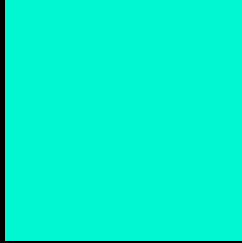
Large Text (above 18pt) WCAG AA × Fail

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 71.1811, 0.2383, 0.3778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

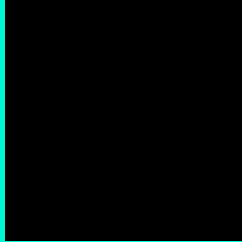
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.1811, 0.2383, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 71.1811, 0.2383, 0.3778.



This preview shows how white text looks on a background with the Yxy color 71.1811, 0.2383, 0.3778.

Color Blindness Simulation

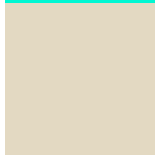
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



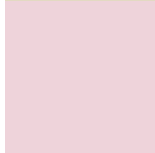
Original Color

71.1747, 0.2383, 0.3778



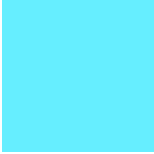
Protanopia

69.8516, 0.3360, 0.3544



Deuteranopia

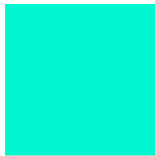
69.8276, 0.3280, 0.3217



Tritanopia

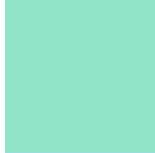
71.1939, 0.2344, 0.3085

Trichromacy



Original Color

71.1747, 0.2383, 0.3778



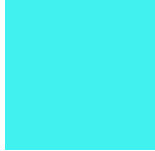
Protanomaly

65.6767, 0.2766, 0.3644



Deuteranomaly

64.8930, 0.2718, 0.3400



Tritanomaly

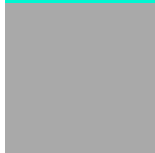
70.2664, 0.2320, 0.3313

Monochromacy



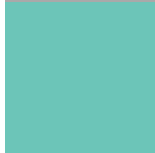
Original Color

71.1747, 0.2383, 0.3778



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

46.5813, 0.2599, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.1811, 0.2383, 0.3778 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, 247, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 210)  
}
```

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, 247, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 210) }
```

Border

The CSS property to change the border of an element to Yxy 71.1811, 0.2383, 0.3778 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, 247, 210) }
```

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

```
.border{ border-color:rgb(0, 247, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 247, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 71.1811, 0.2383, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 210) }
```

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

```
.background{ background-color: rgb(0, 247,  
210) }
```

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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