

Converting Colors

$Y_{xy}(70.6543, 0.2270, 0.4012)$

Have a look what the booklet for
Yxy(70.6543, 0.2270, 0.4012)
contains.

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Color

Yxy(73.1179, 0.2439, 0.3980)

Conversions

Conversions Part 1

Format	Color
Hex	00FBC7
RGB	0, 251, 199
RGB Percent	0%, 98%, 78%
CMY	0.9993, 0.0157, 0.2196
CMYK	1.00, 0.00, 0.21, 0.02
HSL	168°, 100%, 49%
HSV	168°, 100%, 98%
XYZ	44.8077, 73.1179, 65.7877
YIQ	170.0230, -132.9040, -69.3840

Conversions

Conversions Part 2

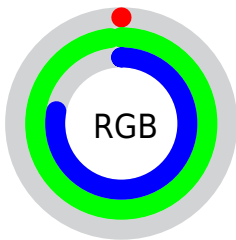
Format	Color
RYB	0, 140, 251
Decimal	64455
CIELab	88.50, -61.31, 11.10
CIELCh	89, 62.303, 169.738
Yxy	73.1179, 0.2439, 0.3980
Android (android.graphics.Color)	4278254535 (0xFF00FBC7)
YUV	170.0230, 14.2857, -149.1102
Hunter-Lab	85.5090, -56.1048, 14.2406

Details

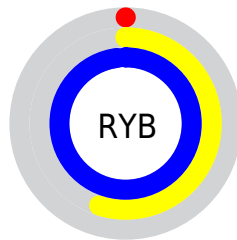
The Yxy color **73.1179, 0.2439, 0.3980** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **20.7628, 0.6093, 0.3131**, and the grayscale version is **40.2152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **40.1843, 0.2477, 0.4116** is the 20% darker color. If you saturate the color by 10%, you get **73.1180, 0.2439, 0.3981**, and if you desaturate by 10%, it is **73.5756, 0.2432, 0.3904**.

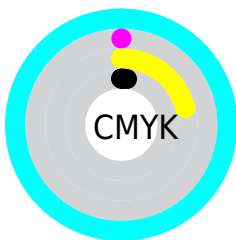
Distribution



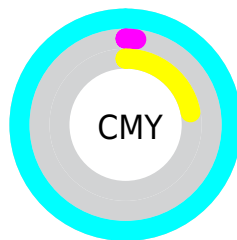
- Red (0%)
- Green (98%)
- Blue (78%)



- Red (0%)
- Yellow (55%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.1179, 0.2439, 0.3980 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 73.1179, 0.2439, 0.3980 by changing the saturation by 10% instead.


 73.1179, 0.2439,
0.3980


 73.1179, 0.2439,
0.3980


471.4233, 0.2761,
0.3648

 54.0724, 0.2365,
0.4059


 123.6446, 0.2551,
0.3862

 38.6595, 0.2273,
0.4158


 155.8945, 0.2595,
0.3817


 26.4950, 0.2157,
0.4285


 193.3147, 0.2632,
0.3779

 17.1943, 0.2006,
0.4455

 236.2895, 0.2665,
0.3746

 10.3731, 0.1801,
0.4694

 285.2034, 0.2693,
0.3717

 5.6470, 0.1512,
0.5049


340.4408, 0.2718,

 2.6317, 0.0974,


0.3691


402.3859, 0.2741,
0.3668


0.5691


 0.9426, 0.0000,
0.7910


 0.0000, 0.0000,
0.0000

 73.1179, 0.2439,
0.3980


 73.1179, 0.2439,
0.3980


 73.1180, 0.2439,
0.3981


 73.5756, 0.2432,
0.3904


 74.3073, 0.2441,
0.3828

 75.3973, 0.2470,
0.3751


 76.8955, 0.2519,
0.3675

 78.8439, 0.2587,
0.3601

 81.2791, 0.2672,
0.3529

 84.2339, 0.2772,
0.3462

 87.7382, 0.2883,
0.3400

 91.8198, 0.3003,
0.3342

Harmonies

Analogous

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



73.1179, 0.3106, 0.4566



73.1179, 0.2439, 0.3980



73.1179, 0.1991, 0.3183

Triad

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



73.1179, 0.2439, 0.3980



73.1179, 0.2356, 0.2162



73.1179, 0.4614, 0.3755

Complementary

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



73.1179, 0.2439, 0.3980



20.7628, 0.6093, 0.3131

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.



73.1179, 0.4395, 0.3203



73.1179, 0.2439, 0.3980



73.1179, 0.3002, 0.2337

Square

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



73.1179, 0.2439, 0.3980



73.1179, 0.1958, 0.2221



73.1179, 0.3771, 0.2705



73.1179, 0.4379, 0.4282

Rectangle

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



73.1179, 0.2439, 0.3980



73.1179, 0.1853, 0.2732



73.1179, 0.3771, 0.2705



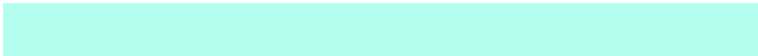
73.1179, 0.4594, 0.3569

Sweetspot

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



73.1207, 0.2439, 0.3980



87.2847, 0.2771, 0.3463



69.7948, 0.3070, 0.5944



18.3918, 0.2727, 0.3491



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.



73.1207, 0.2439, 0.3980



75.7910, 0.2439, 0.3981



39.5818, 0.1979, 0.2322



19.5433, 0.3008, 0.3340



38.4549, 0.2436, 0.3968



3.5765, 0.2410, 0.3877

Inverse Universe

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



20.7628, 0.6093, 0.3131



21.5157, 0.6097, 0.3132



25.0470, 0.6031, 0.3592



17.2841, 0.3261, 0.3241



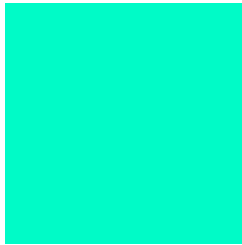
10.9277, 0.6058, 0.3111



1.0267, 0.5741, 0.2936

Previews

White Background



This preview shows how the Yxy color 73.1179, 0.2439, 0.3980 looks on a white background.

Color Contrast Check

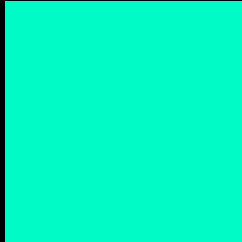
Large Text (above 18pt) WCAG AA × Fail

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 73.1179, 0.2439, 0.3980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

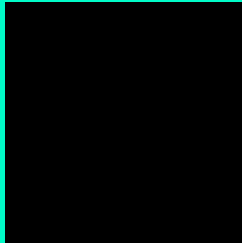
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

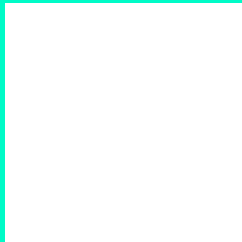
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.1179, 0.2439, 0.3980

Background



This preview shows how black text looks on a background with the Yxy color 73.1179, 0.2439, 0.3980.

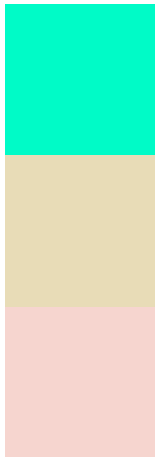


This preview shows how white text looks on a background with the Yxy color 73.1179, 0.2439, 0.3980.

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

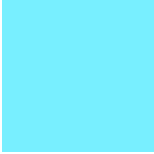
73.1179, 0.2439, 0.3980

Protanopia

71.7611, 0.3470, 0.3694

Deuteranopia

71.6863, 0.3418, 0.3353



Tritanopia

72.9461, 0.2408, 0.3100

Trichromacy



Original Color

73.1179, 0.2439, 0.3980



Protanomaly

67.1219, 0.2847, 0.3823



Deuteranomaly

66.4659, 0.2811, 0.3575



Tritanomaly

71.6358, 0.2366, 0.3388

Monochromacy



Original Color

73.1179, 0.2439, 0.3980



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

47.3712, 0.2621, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1179, 0.2439, 0.3980 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, 251, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 251, 199)  
}
```

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, 251, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 251, 199) }
```

Border

The CSS property to change the border of an element to Yxy 73.1179, 0.2439, 0.3980 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, 251, 199) }
```

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

```
.border{ border-color:rgb(0, 251, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 251, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 251, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 251, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 251,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1179, 0.2439, 0.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 251, 199) }
```

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

```
.background{ background-color: rgb(0, 251,  
199) }
```

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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