

Converting Colors

$Y_{xy}(72.2675, 0.2450, 0.4019)$

Have a look what the booklet for
Yxy(72.2675, 0.2450, 0.4019)
contains.

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Color

Yxy(72.3178, 0.2452, 0.4026)

Conversions

Conversions Part 1

Format	Color
Hex	01FAC3
RGB	1, 250, 195
RGB Percent	0%, 98%, 76%
CMY	0.9974, 0.0196, 0.2353
CMYK	1.00, 0.00, 0.22, 0.02
HSL	167°, 99%, 49%
HSV	167°, 100%, 98%
XYZ	44.0445, 72.3178, 63.2646
YIQ	169.2790, -130.7490, -69.8930

Conversions

Conversions Part 2

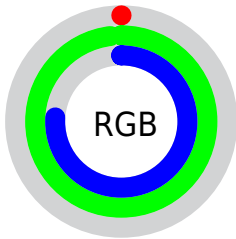
Format	Color
RYB	1, 141, 250
Decimal	129731
CIELab	88.12, -61.88, 12.63
CIELCh	88, 63.155, 168.464
Yxy	72.3178, 0.2452, 0.4026
Android (android.graphics.Color)	4278319811 (0xFF01FAC3)
YUV	169.2790, 12.6805, -147.5807
Hunter-Lab	85.0399, -56.3696, 15.4197

Details

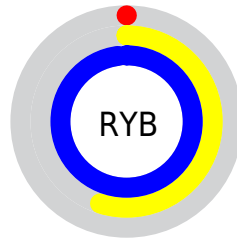
The Yxy color **72.3178, 0.2452, 0.4026** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **20.6221, 0.6052, 0.3109**, and the grayscale version is **39.7549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1931, 0.2442, 0.3323**, and **39.6224, 0.2493, 0.4176** is the 20% darker color. If you saturate the color by 10%, you get **72.3098, 0.2452, 0.4028**, and if you desaturate by 10%, it is **72.7857, 0.2444, 0.3945**.

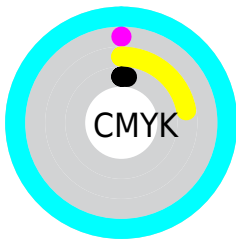
Distribution



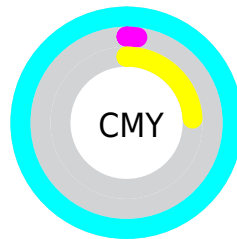
- Red (0%)
- Green (98%)
- Blue (76%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3178, 0.2452, 0.4026 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 72.3178, 0.2452, 0.4026 by changing the saturation by 10% instead.

 72.3178, 0.2452,
0.4026


 72.3178, 0.2452,
0.4026


468.6470, 0.2770,
0.3670


 53.4183, 0.2378,
0.4111


 122.5083, 0.2563,
0.3899


 38.1368, 0.2287,
0.4218


 154.5680, 0.2606,
0.3851

 26.0889, 0.2171,
0.4357


 191.7833, 0.2643,
0.3810

 16.8902, 0.2019,
0.4543

 234.5386, 0.2675,
0.3774

 10.1562, 0.1812,
0.4806

 283.2182, 0.2703,
0.3743

 5.5027, 0.1517,
0.5199


338.2065, 0.2728,

 2.5451, 0.0925,


0.3716


0.5942


399.8880, 0.2750,
0.3691

 0.8991, 0.0000,
0.9036


 0.0000, 0.0000,
0.0000


 72.3178, 0.2452,
0.4026


 72.3178, 0.2452,
0.4026


 72.3098, 0.2452,
0.4028


 72.7857, 0.2444,
0.3945


 73.5290, 0.2452,
0.3863


 74.6295, 0.2481,
0.3780


 76.1365, 0.2529,
0.3699

 78.0913, 0.2596,
0.3620

 80.5301, 0.2680,
0.3544

 83.4854, 0.2779,
0.3472

 86.9869, 0.2889,
0.3406

 91.0618, 0.3007,
0.3344

Harmonies

Analogous

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



72.3178, 0.3135, 0.4605



72.3178, 0.2452, 0.4026



72.3178, 0.1986, 0.3212

Triad

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



72.3178, 0.2452, 0.4026



72.3178, 0.2322, 0.2143



72.3178, 0.4639, 0.3735

Complementary

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



72.3178, 0.2452, 0.4026



20.6221, 0.6052, 0.3109

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.



72.3178, 0.4397, 0.3177



72.3178, 0.2452, 0.4026



72.3178, 0.2967, 0.2312

Square

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



72.3178, 0.2452, 0.4026



72.3178, 0.1930, 0.2212



72.3178, 0.3749, 0.2677



72.3178, 0.4416, 0.4275

Rectangle

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



72.3178, 0.2452, 0.4026



72.3178, 0.1839, 0.2746



72.3178, 0.3749, 0.2677



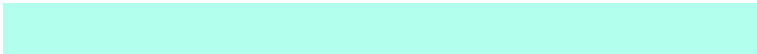
72.3178, 0.4613, 0.3547

Sweetspot

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



72.3206, 0.2452, 0.4026



87.2245, 0.2776, 0.3474



69.3027, 0.3081, 0.5934



18.3773, 0.2733, 0.3504



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.



72.3206, 0.2452, 0.4026



75.6316, 0.2453, 0.4029



40.9868, 0.1996, 0.2385



19.5392, 0.3010, 0.3343



38.3750, 0.2449, 0.4015



3.5698, 0.2422, 0.3917

Inverse Universe

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



20.6221, 0.6052, 0.3109



21.5480, 0.6061, 0.3113



24.3594, 0.6065, 0.3564



17.2879, 0.3259, 0.3238



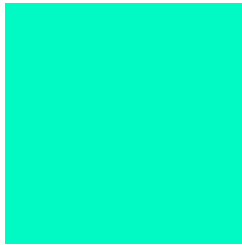
10.9450, 0.6021, 0.3091



1.0288, 0.5699, 0.2913

Previews

White Background



This preview shows how the Yxy color 72.3178, 0.2452, 0.4026 looks on a white background.

Color Contrast Check

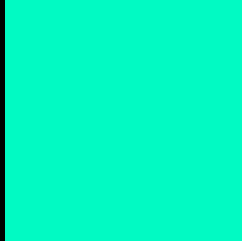
Large Text (above 18pt) WCAG AA × Fail

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 72.3178, 0.2452, 0.4026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

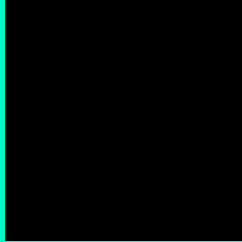
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.3178, 0.2452, 0.4026

Background



This preview shows how black text looks on a background with the Yxy color 72.3178, 0.2452, 0.4026.



This preview shows how white text looks on a background with the Yxy color 72.3178, 0.2452, 0.4026.

Color Blindness Simulation

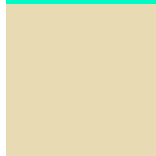
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72.3178, 0.2452, 0.4026



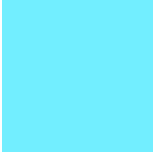
Protanopia

71.0735, 0.3501, 0.3728



Deuteranopia

70.4932, 0.3451, 0.3375



Tritanopia

71.9465, 0.2384, 0.3087

Trichromacy



Original Color

72.3178, 0.2452, 0.4026



Protanomaly

66.3923, 0.2868, 0.3865



Deuteranomaly

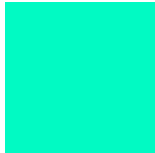
65.1887, 0.2832, 0.3602



Tritanomaly

70.8039, 0.2364, 0.3401

Monochromacy



Original Color

72.3178, 0.2452, 0.4026



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

46.7907, 0.2636, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3178, 0.2452, 0.4026 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, 250, 195)` looks like.

```
.text, #text, p{  
    color:rgb(1, 250, 195)  
}
```

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, 250, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 250, 195) }
```

Border

The CSS property to change the border of an element to Yxy 72.3178, 0.2452, 0.4026 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, 250, 195) }
```

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

```
.border{ border-color:rgb(1, 250, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 250, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 250, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 250, 195);  
box-shadow:4px 4px 4px 4px rgb(1, 250,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3178, 0.2452, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 250, 195) }
```

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

```
.background{ background-color: rgb(1, 250,  
195) }
```

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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