

Converting Colors

$Y_{xy}(75.7398, 0.2443, 0.3996)$

Have a look what the booklet for
Yxy(75.7398, 0.2443, 0.3996)
contains.

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Color

Yxy(75.7370, 0.2444, 0.3997)

Conversions

Conversions Part 1

Format	Color
Hex	01FFC9
RGB	1, 255, 201
RGB Percent	0%, 100%, 79%
CMY	0.9968, 0.0000, 0.2117
CMYK	1.00, 0.00, 0.21, 0.00
HSL	167°, 100%, 50%
HSV	167°, 100%, 100%
XYZ	46.3100, 75.7370, 67.4376
YIQ	172.8980, -134.0500, -70.6420

Conversions

Conversions Part 2

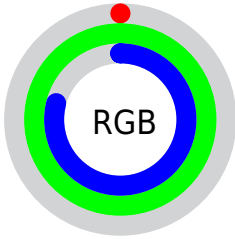
Format	Color
RYB	1, 143, 255
Decimal	131017
CIELab	89.74, -62.32, 11.82
CIELCh	90, 63.432, 169.257
Yxy	75.7370, 0.2444, 0.3997
Android (android.graphics.Color)	4278321097 (0xFF01FFC9)
YUV	172.8980, 13.8543, -150.7545
Hunter-Lab	87.0270, -57.3113, 14.9748

Details

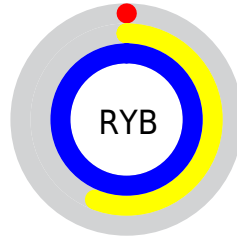
The Yxy color **75.7370, 0.2444, 0.3997** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.5512, 0.6075, 0.3122**, and the grayscale version is **41.6842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **42.0391, 0.2482, 0.4135** is the 20% darker color. If you saturate the color by 10%, you get **75.7264, 0.2444, 0.4000**, and if you desaturate by 10%, it is **76.2180, 0.2437, 0.3919**.

Distribution



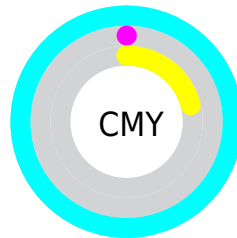
- Red (0%)
- Green (100%)
- Blue (79%)



- 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 75.7370, 0.2444, 0.3997 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 75.7370, 0.2444, 0.3997 by changing the saturation by 10% instead.

 75.7370, 0.2444,
0.3997


 75.7370, 0.2444,
0.3997


480.4469, 0.2762,
0.3658

 56.2169, 0.2371,
0.4077


 127.3551, 0.2555,
0.3877

 40.3768, 0.2281,
0.4177


 160.2218, 0.2598,
0.3831

 27.8325, 0.2168,
0.4306


 198.3062, 0.2635,
0.3792

 18.1994, 0.2020,
0.4477

 241.9927, 0.2667,
0.3758

 11.0933, 0.1821,
0.4716

 291.6656, 0.2695,
0.3729

 6.1296, 0.1541,
0.5069


347.7093, 0.2720,


 2.9240, 0.1077,


0.3702


0.5667


410.5083, 0.2742,
0.3679


 1.0922, 0.0000,
0.7589


 0.0000, 0.0000,
0.0000


 75.7370, 0.2444,
0.3997

 75.7370, 0.2444,
0.3997


 75.7264, 0.2444,
0.4000


 76.2180, 0.2437,
0.3919

 76.9880, 0.2446,
0.3840


 78.1316, 0.2475,
0.3761

 79.7004, 0.2524,
0.3683

 81.7379, 0.2591,
0.3607

 84.2820, 0.2677,
0.3534

 87.3668, 0.2776,
0.3465

 91.0233, 0.2887,
0.3401

 95.2802, 0.3006,
0.3342

Harmonies

Analogous

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



75.7370, 0.3117, 0.4581



75.7370, 0.2444, 0.3997



75.7370, 0.1989, 0.3194

Triad

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



75.7370, 0.2444, 0.3997



75.7370, 0.2344, 0.2155



75.7370, 0.4623, 0.3747

Complementary

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



75.7370, 0.2444, 0.3997



21.5512, 0.6075, 0.3122

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.



75.7370, 0.4395, 0.3193



75.7370, 0.2444, 0.3997



75.7370, 0.2989, 0.2328

Square

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



75.7370, 0.2444, 0.3997



75.7370, 0.1948, 0.2218



75.7370, 0.3762, 0.2695



75.7370, 0.4392, 0.4279

Rectangle

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



75.7370, 0.2444, 0.3997



75.7370, 0.1848, 0.2737



75.7370, 0.3762, 0.2695



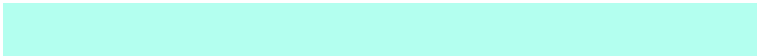
75.7370, 0.4601, 0.3561

Sweetspot

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



75.7399, 0.2444, 0.3997



87.2614, 0.2773, 0.3467



72.3569, 0.3071, 0.5942



18.3862, 0.2729, 0.3496



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.



75.7399, 0.2444, 0.3997



75.7292, 0.2444, 0.4000



41.0840, 0.1979, 0.2324



20.4115, 0.3008, 0.3341



39.5929, 0.2441, 0.3987



3.8707, 0.2416, 0.3897

Inverse Universe

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



21.5512, 0.6075, 0.3122



21.5279, 0.6083, 0.3125



26.0051, 0.6027, 0.3594



18.0502, 0.3261, 0.3240



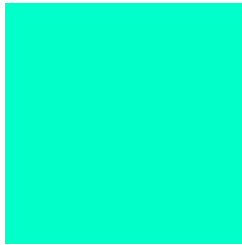
11.2663, 0.6046, 0.3104



1.1121, 0.5743, 0.2938

Previews

White Background



This preview shows how the Yxy color 75.7370, 0.2444, 0.3997 looks on a white background.

Color Contrast Check

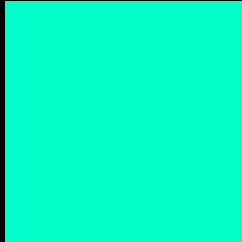
Large Text (above 18pt) WCAG AA × Fail

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 75.7370, 0.2444, 0.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

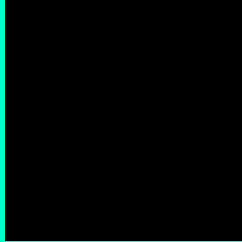
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7370, 0.2444, 0.3997

Background



This preview shows how black text looks on a background with the Yxy color 75.7370, 0.2444, 0.3997.

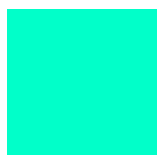


This preview shows how white text looks on a background with the Yxy color 75.7370, 0.2444, 0.3997.

Color Blindness Simulation

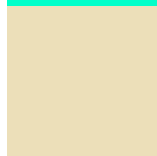
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.7435, 0.2444, 0.3997



Protanopia

74.1110, 0.3480, 0.3699



Deuteranopia

74.0889, 0.3422, 0.3353



Tritanopia

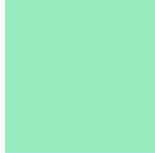
75.0291, 0.2486, 0.3116

Trichromacy



Original Color

75.7435, 0.2444, 0.3997



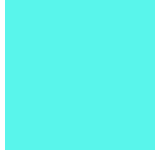
Protanomaly

69.6623, 0.2850, 0.3841



Deuteranomaly

68.4696, 0.2809, 0.3571



Tritanomaly

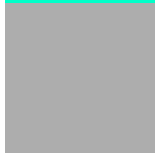
73.4268, 0.2405, 0.3411

Monochromacy



Original Color

75.7435, 0.2444, 0.3997



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

49.4458, 0.2629, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7370, 0.2444, 0.3997 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 201) }
```

Border

The CSS property to change the border of an element to Yxy 75.7370, 0.2444, 0.3997 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, 201) }
```

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

```
.border{ border-color:rgb(1, 255, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(1, 255,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7370, 0.2444, 0.3997 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, 201) }
```

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

```
.background{ background-color: rgb(1, 255,  
201) }
```

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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