

Converting Colors

$Y_{xy}(75.8209, 0.2437, 0.3972)$

Have a look what the booklet for
Yxy(75.8209, 0.2437, 0.3972)
contains.

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Color

Yxy(75.8382, 0.2436, 0.3969)

Conversions

Conversions Part 1

Format	Color
Hex	00FFCB
RGB	0, 255, 203
RGB Percent	0%, 100%, 80%
CMY	0.9988, 0.0000, 0.2039
CMYK	1.00, 0.00, 0.20, 0.00
HSL	168°, 100%, 50%
HSV	168°, 100%, 100%
XYZ	46.5462, 75.8382, 68.6919
YIQ	172.8270, -135.2880, -70.2320

Conversions

Conversions Part 2

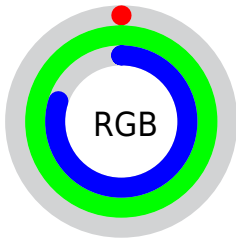
Format	Color
RYB	0, 142, 255
Decimal	65483
CIELab	89.78, -61.86, 10.85
CIELCh	90, 62.800, 170.047
Yxy	75.8382, 0.2436, 0.3969
Android (android.graphics.Color)	4278255563 (0xFF00FFCB)
YUV	172.8270, 14.8753, -151.5693
Hunter-Lab	87.0851, -56.9924, 14.1922

Details

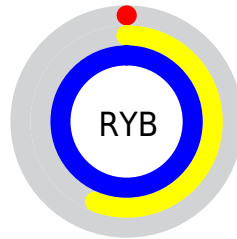
The Yxy color **75.8382, 0.2436, 0.3969** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.5173, 0.6102, 0.3136**, and the grayscale version is **41.7208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **42.1024, 0.2472, 0.4099** is the 20% darker color. If you saturate the color by 10%, you get **75.8294, 0.2436, 0.3970**, and if you desaturate by 10%, it is **76.3019, 0.2429, 0.3894**.

Distribution



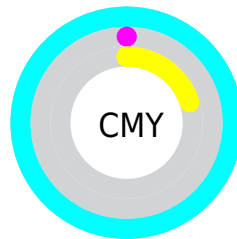
- Red (0%)
- Green (100%)
- Blue (80%)



- Red (0%)
- Yellow (56%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8382, 0.2436, 0.3969 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 75.8382, 0.2436, 0.3969 by changing the saturation by 10% instead.


 75.8382, 0.2436,
0.3969


 75.8382, 0.2436,
0.3969


480.7936, 0.2757,
0.3645


 56.2998, 0.2363,
0.4045


 127.4982, 0.2547,
0.3855

 40.4434, 0.2272,
0.4141


 160.3886, 0.2591,
0.3811

 27.8844, 0.2158,
0.4263

 198.4984, 0.2628,
0.3773

 18.2385, 0.2011,
0.4426

 242.2122, 0.2661,
0.3741

 11.1214, 0.1812,
0.4652

 291.9142, 0.2689,
0.3712

 6.1485, 0.1533,
0.4985


347.9888, 0.2714,


 2.9356, 0.1080,


0.3687


0.5543


410.8205, 0.2737,
0.3665


 1.0982, 0.0000,
0.7231


 0.0000, 0.0000,
0.0000


 75.8382, 0.2436,
0.3969


 75.8382, 0.2436,
0.3969


 75.8294, 0.2436,
0.3970


 76.3019, 0.2429,
0.3894


 77.0574, 0.2439,
0.3819

 78.1847, 0.2468,
0.3743


 79.7355, 0.2517,
0.3669

 81.7535, 0.2585,
0.3596

 84.2767, 0.2671,
0.3526

 87.3392, 0.2771,
0.3459

 90.9722, 0.2882,
0.3398

 95.2043, 0.3003,
0.3341

Harmonies

Analogous

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



75.8382, 0.3099, 0.4557



75.8382, 0.2436, 0.3969



75.8382, 0.1992, 0.3176

Triad

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



75.8382, 0.2436, 0.3969



75.8382, 0.2365, 0.2167



75.8382, 0.4608, 0.3760

Complementary

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



75.8382, 0.2436, 0.3969



21.5173, 0.6102, 0.3136

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.



75.8382, 0.4394, 0.3209



75.8382, 0.2436, 0.3969



75.8382, 0.3010, 0.2344

Square

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



75.8382, 0.2436, 0.3969



75.8382, 0.1965, 0.2223



75.8382, 0.3776, 0.2712



75.8382, 0.4370, 0.4284

Rectangle

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



75.8382, 0.2436, 0.3969



75.8382, 0.1856, 0.2728



75.8382, 0.3776, 0.2712



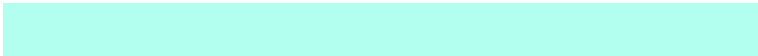
75.8382, 0.4589, 0.3575

Sweetspot

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



75.8344, 0.2436, 0.3969



87.2990, 0.2769, 0.3460



72.3468, 0.3070, 0.5944



18.3953, 0.2726, 0.3488



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.



75.8344, 0.2436, 0.3969



75.8294, 0.2436, 0.3970



41.0218, 0.1979, 0.2322



20.4142, 0.3007, 0.3339



39.6447, 0.2433, 0.3957



3.8754, 0.2409, 0.3872

Inverse Universe

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



21.5173, 0.6102, 0.3136



21.5084, 0.6105, 0.3137



25.9564, 0.6032, 0.3592



18.0477, 0.3262, 0.3242



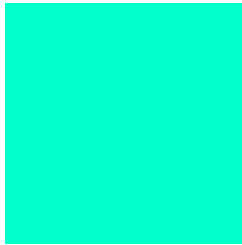
11.2555, 0.6069, 0.3117



1.1107, 0.5769, 0.2952

Previews

White Background



This preview shows how the Yxy color 75.8382, 0.2436, 0.3969 looks on a white background.

Color Contrast Check

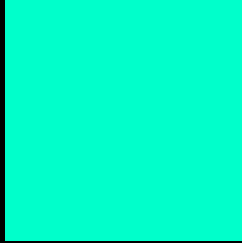
Large Text (above 18pt) WCAG AA × Fail

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 75.8382, 0.2436, 0.3969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

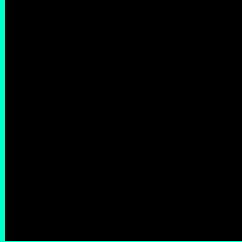
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

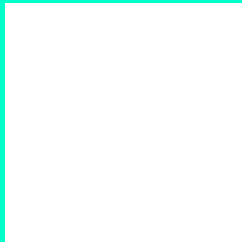
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8382, 0.2436, 0.3969

Background



This preview shows how black text looks on a background with the Yxy color 75.8382, 0.2436, 0.3969.

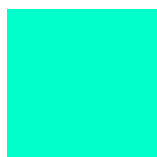


This preview shows how white text looks on a background with the Yxy color 75.8382, 0.2436, 0.3969.

Color Blindness Simulation

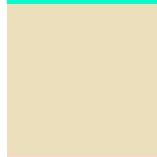
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



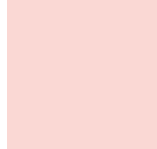
Original Color

75.8318, 0.2436, 0.3969



Protanopia

74.1961, 0.3466, 0.3677



Deuteranopia

74.1892, 0.3407, 0.3332



Tritanopia

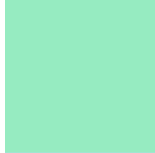
75.1156, 0.2490, 0.3116

Trichromacy



Original Color

75.8318, 0.2436, 0.3969



Protanomaly

69.7509, 0.2839, 0.3815



Deuteranomaly

68.5680, 0.2798, 0.3546



Tritanomaly

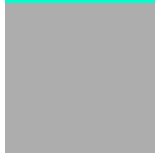
73.4848, 0.2401, 0.3399

Monochromacy



Original Color

75.8318, 0.2436, 0.3969



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

49.4876, 0.2623, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8382, 0.2436, 0.3969 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, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 203)  
}
```

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, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 203) }
```

Border

The CSS property to change the border of an element to Yxy 75.8382, 0.2436, 0.3969 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, 255, 203) }
```

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

```
.border{ border-color:rgb(0, 255, 203) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8382, 0.2436, 0.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 203) }
```

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

```
.background{ background-color: rgb(0, 255,  
203) }
```

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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