

Converting Colors

Yxy(66.4384, 0.1911, 0.4246)

Have a look what the booklet for
Yxy(66.4384, 0.1911, 0.4246)
contains.

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Color

Yxy(73.9683, 0.2481, 0.4131)

Conversions

Conversions Part 1

Format	Color
Hex	00FDBE
RGB	0, 253, 190
RGB Percent	0%, 99%, 75%
CMY	0.9988, 0.0078, 0.2548
CMYK	1.00, 0.00, 0.25, 0.01
HSL	165°, 100%, 50%
HSV	165°, 100%, 99%
XYZ	44.4240, 73.9683, 60.6644
YIQ	170.1710, -130.5650, -73.2290

Conversions

Conversions Part 2

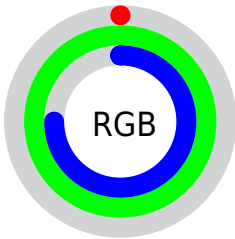
Format	Color
RYB	0, 144, 253
Decimal	64958
CIELab	88.91, -64.16, 16.30
CIELCh	89, 66.199, 165.742
Yxy	73.9683, 0.2481, 0.4131
Android (android.graphics.Color)	4278255038 (0xFF00FDBE)
YUV	170.1710, 9.7757, -149.2400
Hunter-Lab	86.0048, -58.3081, 18.3826

Details

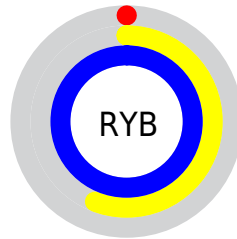
The Yxy color **73.9683, 0.2481, 0.4131** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **21.2509, 0.5974, 0.3065**, and the grayscale version is **40.3347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8868, 0.2469, 0.3393**, and **40.8364, 0.2526, 0.4292** is the 20% darker color. If you saturate the color by 10%, you get **73.9661, 0.2481, 0.4132**, and if you desaturate by 10%, it is **74.4654, 0.2470, 0.4038**.

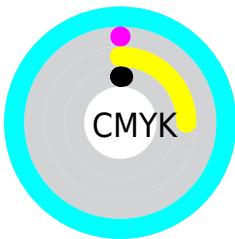
Distribution



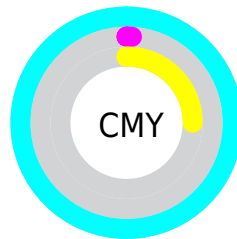
- Red (0%)
- Green (99%)
- Blue (75%)



- Red (0%)
- Yellow (56%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.9683, 0.2481, 0.4131 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 73.9683, 0.2481, 0.4131 by changing the saturation by 10% instead.


 73.9683, 0.2481,
0.4131


 73.9683, 0.2481,
0.4131


474.3640, 0.2787,
0.3722


 54.7681, 0.2410,
0.4229


 124.8509, 0.2589,
0.3985


 39.2161, 0.2321,
0.4353


 157.3020, 0.2630,
0.3930

 26.9279, 0.2207,
0.4514

 194.9389, 0.2666,
0.3882

 17.5191, 0.2058,
0.4730

 238.1460, 0.2696,
0.3841

 10.6053, 0.1854,
0.5036

 287.3077, 0.2723,
0.3806

 5.8021, 0.1561,
0.5495


342.8083, 0.2747,

 2.7251, 0.0985,


0.3774


0.6340


405.0323, 0.2768,
0.3747

 0.9900, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 73.9683, 0.2481,
0.4131

 73.9683, 0.2481,
0.4131


 73.9661, 0.2481,
0.4132


 74.4654, 0.2470,
0.4038


 75.2459, 0.2475,
0.3944


 76.3954, 0.2501,
0.3850

 77.9647, 0.2546,
0.3757

 79.9965, 0.2611,
0.3666

 82.5283, 0.2692,
0.3580

 85.5936, 0.2788,
0.3498

 89.2229, 0.2894,
0.3422

 93.4446, 0.3009,
0.3352

Harmonies

Analogous

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



73.9683, 0.3199, 0.4692



73.9683, 0.2481, 0.4131



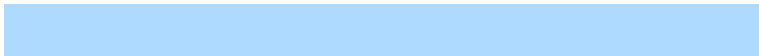
73.9683, 0.1976, 0.3280

Triad

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



73.9683, 0.2481, 0.4131



73.9683, 0.2244, 0.2101



73.9683, 0.4696, 0.3690

Complementary

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



73.9683, 0.2481, 0.4131



21.2509, 0.5974, 0.3065

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.



73.9683, 0.4401, 0.3118



73.9683, 0.2481, 0.4131



73.9683, 0.2890, 0.2254

Square

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



73.9683, 0.2481, 0.4131



73.9683, 0.1868, 0.2194



73.9683, 0.3699, 0.2614



73.9683, 0.4499, 0.4256

Rectangle

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



73.9683, 0.2481, 0.4131



73.9683, 0.1808, 0.2780



73.9683, 0.3699, 0.2614



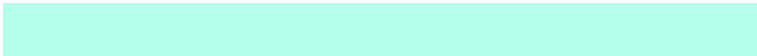
73.9683, 0.4654, 0.3496

Sweetspot

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



73.9712, 0.2481, 0.4131



87.0967, 0.2787, 0.3499



71.3234, 0.3092, 0.5927



18.3466, 0.2745, 0.3533



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

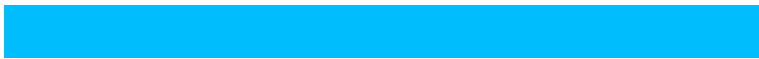
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.9712, 0.2481, 0.4131



75.3016, 0.2481, 0.4132



43.8442, 0.2012, 0.2443



20.3995, 0.3013, 0.3350



39.3719, 0.2477, 0.4117



3.8509, 0.2447, 0.4011

Inverse Universe

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



21.2509, 0.5974, 0.3065



21.6250, 0.5978, 0.3067



24.4906, 0.6105, 0.3534



18.0613, 0.3255, 0.3231



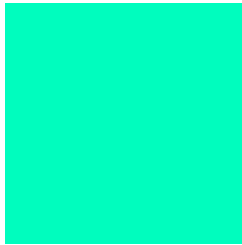
11.3194, 0.5938, 0.3045



1.1187, 0.5624, 0.2872

Previews

White Background



This preview shows how the Yxy color 73.9683, 0.2481, 0.4131 looks on a white background.

Color Contrast Check

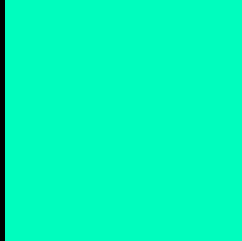
Large Text (above 18pt) WCAG AA × Fail

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 73.9683, 0.2481, 0.4131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

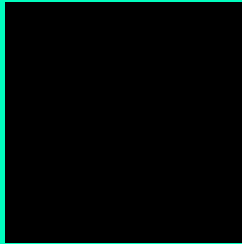
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.9683, 0.2481, 0.4131

Background



This preview shows how black text looks on a background with the Yxy color 73.9683, 0.2481, 0.4131.

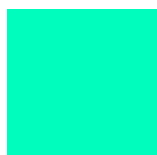


This preview shows how white text looks on a background with the Yxy color 73.9683, 0.2481, 0.4131.

Color Blindness Simulation

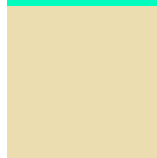
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



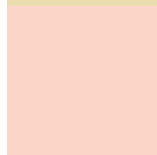
Original Color

73.9683, 0.2481, 0.4131



Protanopia

72.4702, 0.3547, 0.3788



Deuteranopia

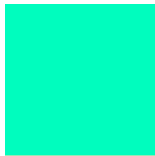
72.2213, 0.3515, 0.3436



Tritanopia

73.4650, 0.2434, 0.3101

Trichromacy



Original Color

73.9683, 0.2481, 0.4131



Protanomaly

68.0571, 0.2910, 0.3964



Deuteranomaly

66.9459, 0.2876, 0.3688



Tritanomaly

72.2202, 0.2397, 0.3451

Monochromacy



Original Color

73.9683, 0.2481, 0.4131



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

47.6710, 0.2646, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9683, 0.2481, 0.4131 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, 253, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 253, 190)  
}
```

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, 253, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 253, 190) }
```

Border

The CSS property to change the border of an element to Yxy 73.9683, 0.2481, 0.4131 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, 253, 190) }
```

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

```
.border{ border-color:rgb(0, 253, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 253, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 253, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 253, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 253,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9683, 0.2481, 0.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 253, 190) }
```

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

```
.background{ background-color: rgb(0, 253,  
190) }
```

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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