

Converting Colors

$Y_{xy}(100.0000, 0.2496, 0.4552)$

Have a look what the booklet for
Yxy(100.0000, 0.2496, 0.4552)
contains.

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Color

Yxy(75.2377, 0.2487, 0.4153)

Conversions

Conversions Part 1

Format	Color
Hex	00FFBE
RGB	0, 255, 190
RGB Percent	0%, 100%, 75%
CMY	0.9998, 0.0000, 0.2548
CMYK	1.00, 0.00, 0.25, 0.00
HSL	165°, 100%, 50%
HSV	165°, 100%, 100%
XYZ	45.0557, 75.2377, 60.8713
YIQ	171.3450, -131.1150, -74.2750

Conversions

Conversions Part 2

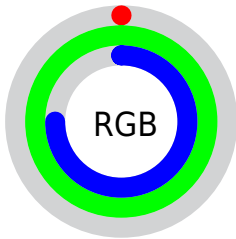
Format	Color
RYB	0, 146, 255
Decimal	65470
CIELab	89.50, -64.90, 17.15
CIELCh	90, 67.128, 165.202
Yxy	75.2377, 0.2487, 0.4153
Android (android.graphics.Color)	4278255550 (0xFF00FFBE)
YUV	171.3450, 9.1969, -150.2696
Hunter-Lab	86.7397, -59.0752, 19.1098

Details

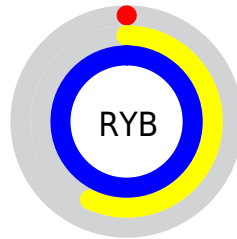
The Yxy color **75.2377, 0.2487, 0.4153** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **21.6431, 0.5960, 0.3057**, and the grayscale version is **40.9182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8868, 0.2469, 0.3393**, and **41.7386, 0.2533, 0.4318** is the 20% darker color. If you saturate the color by 10%, you get **75.2379, 0.2487, 0.4153**, and if you desaturate by 10%, it is **75.7428, 0.2475, 0.4058**.

Distribution



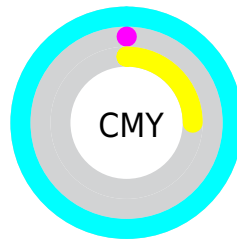
- Red (0%)
- Green (100%)
- Blue (75%)



- Red (0%)
- Yellow (57%)
- Blue (100%)



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2377, 0.2487, 0.4153 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 75.2377, 0.2487, 0.4153 by changing the saturation by 10% instead.


 75.2377, 0.2487,
0.4153


 75.2377, 0.2487,
0.4153


478.7342, 0.2790,
0.3734

 55.8076, 0.2416,
0.4254

 126.6488, 0.2593,
0.4004


 40.0487, 0.2328,
0.4380


 159.3986, 0.2634,
0.3947

 27.5765, 0.2216,
0.4544


 197.3571, 0.2670,
0.3898

 18.0067, 0.2069,
0.4765

 240.9087, 0.2700,
0.3856

 10.9548, 0.1867,
0.5076

 290.4379, 0.2727,
0.3820

 6.0364, 0.1578,
0.5542


346.3289, 0.2751,

 2.8673, 0.1040,

0.3788

0.6372


408.9662, 0.2772,
0.3759

 1.0628, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 75.2377, 0.2487,
0.4153

 75.2377, 0.2487,
0.4153

 75.2379, 0.2487,
0.4153

 75.7428, 0.2475,
0.4058

 76.5377, 0.2480,
0.3961

 77.7082, 0.2504,
0.3865

 79.3064, 0.2549,
0.3769

■ 81.3760, 0.2613,
0.3676

■ 83.9552, 0.2694,
0.3587

■ 87.0782, 0.2789,
0.3504

■ 90.7761, 0.2895,
0.3426

■ 95.0779, 0.3009,
0.3355

Harmonies

Analogous

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



75.2377, 0.3212, 0.4710



75.2377, 0.2487, 0.4153



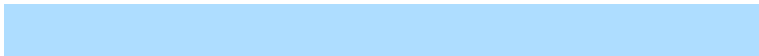
75.2377, 0.1974, 0.3294

Triad

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



75.2377, 0.2487, 0.4153



75.2377, 0.2228, 0.2092



75.2377, 0.4707, 0.3681

Complementary

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



75.2377, 0.2487, 0.4153



21.6431, 0.5960, 0.3057

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.



75.2377, 0.4402, 0.3106



75.2377, 0.2487, 0.4153



75.2377, 0.2874, 0.2242

Square

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



75.2377, 0.2487, 0.4153



75.2377, 0.1855, 0.2190



75.2377, 0.3689, 0.2601



75.2377, 0.4516, 0.4252

Rectangle

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



75.2377, 0.2487, 0.4153



75.2377, 0.1801, 0.2787



75.2377, 0.3689, 0.2601



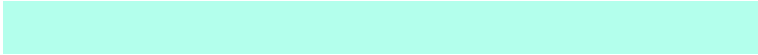
75.2377, 0.4662, 0.3486

Sweetspot

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



75.2388, 0.2487, 0.4153



87.0714, 0.2789, 0.3504



72.7504, 0.3103, 0.5918



18.3405, 0.2747, 0.3538



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

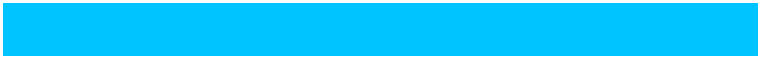
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2388, 0.2487, 0.4153



75.2379, 0.2487, 0.4153



46.4803, 0.2029, 0.2502



20.3977, 0.3014, 0.3351



39.3389, 0.2483, 0.4137



3.8480, 0.2452, 0.4028

Inverse Universe

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



21.6431, 0.5960, 0.3057



21.6416, 0.5961, 0.3057



24.4437, 0.6142, 0.3505



18.0630, 0.3254, 0.3230



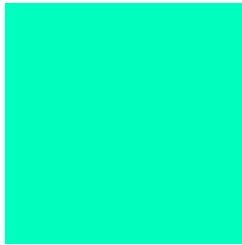
11.3284, 0.5920, 0.3035



1.1198, 0.5605, 0.2861

Previews

White Background



This preview shows how the Yxy color 75.2377, 0.2487, 0.4153 looks on a white background.

Color Contrast Check

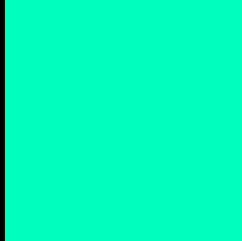
Large Text (above 18pt) WCAG AA × Fail

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 75.2377, 0.2487, 0.4153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

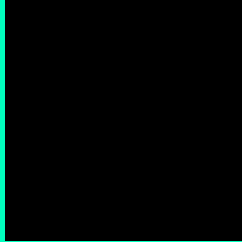
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.2377, 0.2487, 0.4153

Background



This preview shows how black text looks on a background with the Yxy color 75.2377, 0.2487, 0.4153.

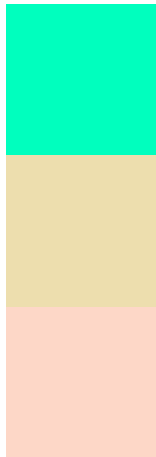


This preview shows how white text looks on a background with the Yxy color 75.2377, 0.2487, 0.4153.

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

75.2377, 0.2487, 0.4153

Protanopia

73.3031, 0.3567, 0.3807

Deuteranopia

73.6070, 0.3527, 0.3456



Tritanopia

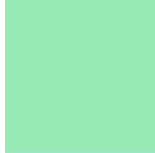
74.8585, 0.2477, 0.3115

Trichromacy



Original Color

75.2377, 0.2487, 0.4153



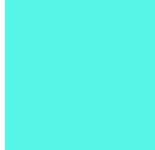
Protanomaly

68.7202, 0.2916, 0.3974



Deuteranomaly

68.1562, 0.2883, 0.3710



Tritanomaly

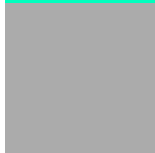
73.1006, 0.2416, 0.3462

Monochromacy



Original Color

75.2377, 0.2487, 0.4153



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

48.7066, 0.2650, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2377, 0.2487, 0.4153 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 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, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 190) }
```

Border

The CSS property to change the border of an element to Yxy 75.2377, 0.2487, 0.4153 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, 190) }
```

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

```
.border{ border-color:rgb(0, 255, 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, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2377, 0.2487, 0.4153 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, 190) }
```

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

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