

Converting Colors

$Y_{xy}(74.9205, 0.2517, 0.4260)$

Have a look what the booklet for
Yxy(74.9205, 0.2517, 0.4260)
contains.

Yxy(74.9454, 0.2515, 0.4254)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(74.9454, 0.2515, 0.4254)

Conversions

Conversions Part 1

Format	Color
Hex	00FFB7
RGB	0, 255, 183
RGB Percent	0%, 100%, 72%
CMY	1.0000, 0.0000, 0.2824
CMYK	1.00, 0.00, 0.28, 0.00
HSL	163°, 100%, 50%
HSV	163°, 100%, 100%
XYZ	44.3083, 74.9454, 56.9226
YIQ	170.5470, -128.8680, -76.4520

Conversions

Conversions Part 2

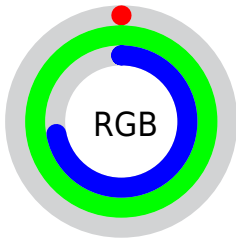
Format	Color
RYB	0, 148, 255
Decimal	65463
CIELab	89.37, -66.48, 20.55
CIELCh	89, 69.583, 162.821
Yxy	74.9454, 0.2515, 0.4254
Android (android.graphics.Color)	4278255543 (0xFF00FFB7)
YUV	170.5470, 6.1393, -149.5697
Hunter-Lab	86.5710, -60.1403, 21.6151

Details

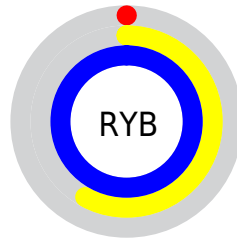
The Yxy color **74.9454, 0.2515, 0.4254** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **21.7280, 0.5872, 0.3008**, and the grayscale version is **40.5018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4650, 0.2499, 0.3477**, and **41.5442, 0.2569, 0.4447** is the 20% darker color. If you saturate the color by 10%, you get **74.9384, 0.2515, 0.4254**, and if you desaturate by 10%, it is **75.4591, 0.2500, 0.4148**.

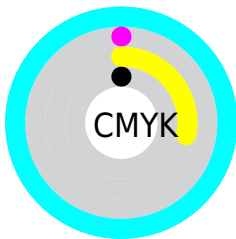
Distribution



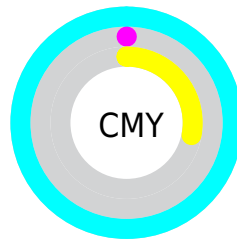
- Red (0%)
- Green (100%)
- Blue (72%)



- Red (0%)
- Yellow (58%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.9454, 0.2515, 0.4254 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 74.9454, 0.2515, 0.4254 by changing the saturation by 10% instead.


 74.9454, 0.2515,
0.4254


 74.9454, 0.2515,
0.4254


477.7299, 0.2809,
0.3782


 55.5682, 0.2446,
0.4368


 126.2351, 0.2619,
0.4085


 39.8568, 0.2359,
0.4512

 158.9163, 0.2659,
0.4021

 27.4269, 0.2247,
0.4700


 196.8010, 0.2693,
0.3966

 17.8941, 0.2100,
0.4953

 240.2735, 0.2722,
0.3919

 10.8740, 0.1895,
0.5311

 289.7182, 0.2748,
0.3878

 5.9822, 0.1599,
0.5849


345.5196, 0.2771,

 2.8342, 0.1001,

0.3842


0.6835


408.0620, 0.2791,
0.3810


 1.0458, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.9454, 0.2515,
0.4254


 74.9454, 0.2515,
0.4254


 74.9384, 0.2515,
0.4254


 75.4591, 0.2500,
0.4148


 76.2729, 0.2502,
0.4040


 77.4651, 0.2525,
0.3931


 79.0878, 0.2568,
0.3824

 81.1847, 0.2629,
0.3720

 83.7940, 0.2707,
0.3621

 86.9501, 0.2799,
0.3528

 90.6842, 0.2902,
0.3441

 95.0252, 0.3012,
0.3362

Harmonies

Analogous

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



74.9454, 0.3273, 0.4789



74.9454, 0.2515, 0.4254



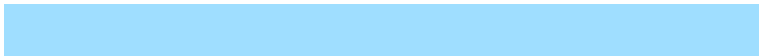
74.9454, 0.1966, 0.3361

Triad

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



74.9454, 0.2515, 0.4254



74.9454, 0.2157, 0.2053



74.9454, 0.4759, 0.3638

Complementary

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



74.9454, 0.2515, 0.4254



21.7280, 0.5872, 0.3008

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.



74.9454, 0.4404, 0.3051



74.9454, 0.2515, 0.4254



74.9454, 0.2801, 0.2189

Square

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



74.9454, 0.2515, 0.4254



74.9454, 0.1797, 0.2173



74.9454, 0.3640, 0.2542



74.9454, 0.4593, 0.4232

Rectangle

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



74.9454, 0.2515, 0.4254



74.9454, 0.1773, 0.2820



74.9454, 0.3640, 0.2542



74.9454, 0.4699, 0.3438

Sweetspot

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



74.9384, 0.2515, 0.4254



86.9501, 0.2799, 0.3528



72.9073, 0.3116, 0.5908



18.3114, 0.2759, 0.3566



0.0000, 0.0000, 0.0000



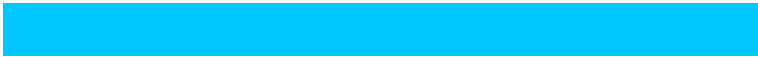
21.4041, 0.3127, 0.3290

Same Dimension

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



74.9384, 0.2515, 0.4254



48.4128, 0.2045, 0.2562



20.3888, 0.3018, 0.3358



39.1838, 0.2510, 0.4236



3.8339, 0.2476, 0.4114

Inverse Universe

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



21.7280, 0.5872, 0.3008



24.0162, 0.6174, 0.3479



18.0714, 0.3250, 0.3223



11.3752, 0.5830, 0.2985



1.1253, 0.5510, 0.2809

Previews

White Background



This preview shows how the Yxy color 74.9454, 0.2515, 0.4254 looks on a white background.

Color Contrast Check

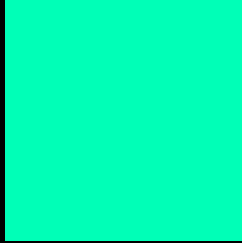
Large Text (above 18pt) WCAG AA × Fail

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 74.9454, 0.2515, 0.4254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

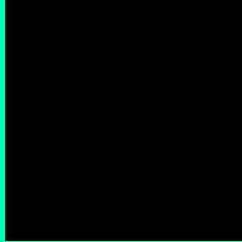
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.9454, 0.2515, 0.4254

Background



This preview shows how black text looks on a background with the Yxy color 74.9454, 0.2515, 0.4254.

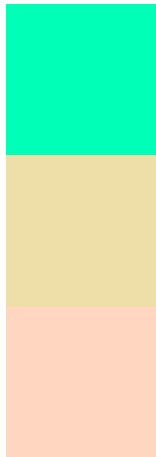


This preview shows how white text looks on a background with the Yxy color 74.9454, 0.2515, 0.4254.

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

74.9389, 0.2515, 0.4254

Protanopia

73.2468, 0.3616, 0.3870

Deuteranopia

73.1589, 0.3596, 0.3517



Tritanopia

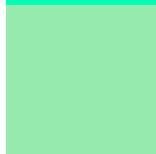
74.1039, 0.2467, 0.3103

Trichromacy



Original Color

74.9389, 0.2515, 0.4254



Protanomaly

68.4421, 0.2955, 0.4067



Deuteranomaly

67.3941, 0.2929, 0.3788



Tritanomaly

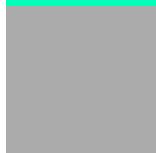
72.9404, 0.2421, 0.3488

Monochromacy



Original Color

74.9389, 0.2515, 0.4254



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

48.5874, 0.2667, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9454, 0.2515, 0.4254 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 183)  
}
```

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, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 183) }
```

Border

The CSS property to change the border of an element to Yxy 74.9454, 0.2515, 0.4254 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, 183) }
```

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

```
.border{ border-color:rgb(0, 255, 183) }
```

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, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
183) }
```

Background

The CSS property to change the background color of an element to Yxy 74.9454, 0.2515, 0.4254 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, 183) }
```

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

```
.background{ background-color: rgb(0, 255,  
183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor