

Converting Colors

$Y_{xy}(74.3054, 0.2580, 0.4487)$

Have a look what the booklet for
Yxy(74.3054, 0.2580, 0.4487)
contains.

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Color

Yxy(74.3165, 0.2580, 0.4485)

Conversions

Conversions Part 1

Format	Color
Hex	02FFA7
RGB	2, 255, 167
RGB Percent	1%, 100%, 65%
CMY	0.9935, 0.0000, 0.3452
CMYK	0.99, 0.00, 0.35, 0.00
HSL	159°, 100%, 50%
HSV	159°, 99%, 100%
XYZ	42.7506, 74.3165, 48.6330
YIQ	169.3210, -122.5400, -81.0040

Conversions

Conversions Part 2

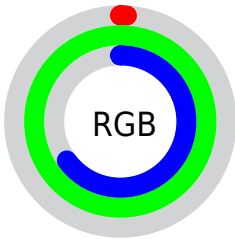
Format	Color
R _Y B	2, 155, 255
Decimal	196519
CIE Lab	89.07, -69.80, 28.28
CIE LCh	89, 75.313, 157.947
Yxy	74.3165, 0.2580, 0.4485
Android (android.graphics.Color)	4278386599 (0xFF02FFA7)
YUV	169.3210, -1.1443, -146.7405
Hunter-Lab	86.2070, -62.3430, 26.8969

Details

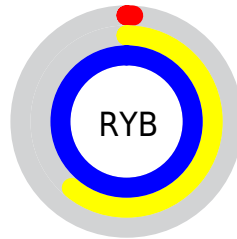
The Yxy color **74.3165, 0.2580, 0.4485** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **22.0285, 0.5618, 0.2872**, and the grayscale version is **39.8370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5607, 0.2567, 0.3675**, and **41.1474, 0.2650, 0.4740** is the 20% darker color. If you saturate the color by 10%, you get **74.2877, 0.2582, 0.4493**, and if you desaturate by 10%, it is **74.8827, 0.2560, 0.4353**.

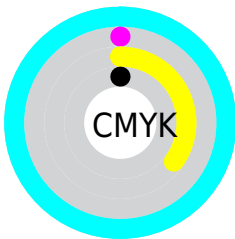
Distribution



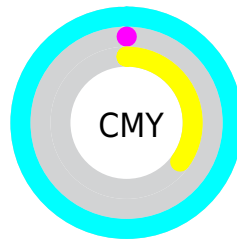
- Red (1%)
- Green (100%)
- Blue (65%)



- Red (1%)
- Yellow (61%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (99%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.3165, 0.2580, 0.4485 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 74.3165, 0.2580, 0.4485 by changing the saturation by 10% instead.


 74.3165, 0.2580,
0.4485

 74.3165, 0.2580,
0.4485


475.5650, 0.2852,
0.3892


 55.0531, 0.2513,
0.4630


 125.3444, 0.2678,
0.4271


 39.4443, 0.2429,
0.4814

 157.8776, 0.2715,
0.4190


 27.1055, 0.2318,
0.5055


 195.6030, 0.2747,
0.4122

 17.6525, 0.2167,
0.5381

 238.9049, 0.2774,
0.4063

 10.7008, 0.1954,
0.5843

 288.1676, 0.2797,
0.4012

 5.8660, 0.1634,
0.6535


343.7756, 0.2818,

 2.7638, 0.0894,


0.3967


0.8156

406.1133, 0.2836,
0.3927

 1.0097, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.3165, 0.2580,
0.4485


 74.3165, 0.2580,
0.4485


 74.2877, 0.2582,
0.4493

 74.8827, 0.2560,
0.4353

 75.7569, 0.2557,
0.4218


 77.0206, 0.2576,
0.4082


 78.7256, 0.2614,
0.3947

 80.9152, 0.2671,
0.3817

 83.6278, 0.2744,
0.3693

 86.8974, 0.2830,
0.3577

 90.7555, 0.2926,
0.3470

 95.2308, 0.3028,
0.3373

Harmonies

Analogous

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



74.3165, 0.3407, 0.4955



74.3165, 0.2580, 0.4485



74.3165, 0.1949, 0.3519

Triad

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



74.3165, 0.2580, 0.4485



74.3165, 0.2003, 0.1968



74.3165, 0.4870, 0.3540

Complementary

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



74.3165, 0.2580, 0.4485



22.0285, 0.5618, 0.2872

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.



74.3165, 0.4399, 0.2930



74.3165, 0.2580, 0.4485



74.3165, 0.2640, 0.2074

Square

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



74.3165, 0.2580, 0.4485



74.3165, 0.1674, 0.2138



74.3165, 0.3526, 0.2413



74.3165, 0.4764, 0.4179

Rectangle

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



74.3165, 0.2580, 0.4485



74.3165, 0.1712, 0.2901



74.3165, 0.3526, 0.2413



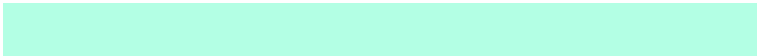
74.3165, 0.4776, 0.3331

Sweetspot

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



74.3194, 0.2580, 0.4485



86.6689, 0.2825, 0.3584



73.7133, 0.3179, 0.5855



18.2441, 0.2787, 0.3632



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.



74.3194, 0.2580, 0.4485



74.2877, 0.2582, 0.4493



56.8547, 0.2112, 0.2800



20.3679, 0.3027, 0.3374



38.8462, 0.2575, 0.4472



3.8030, 0.2533, 0.4320

Inverse Universe

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



22.0285, 0.5618, 0.2872



21.9747, 0.5636, 0.2879



22.7576, 0.6270, 0.3398



18.0913, 0.3239, 0.3208



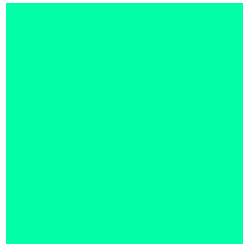
11.5075, 0.5593, 0.2855



1.1401, 0.5277, 0.2681

Previews

White Background



This preview shows how the Yxy color 74.3165, 0.2580, 0.4485 looks on a white background.

Color Contrast Check

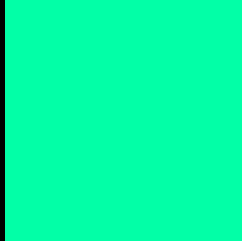
Large Text (above 18pt) WCAG AA × Fail

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 74.3165, 0.2580, 0.4485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

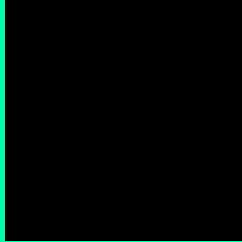
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

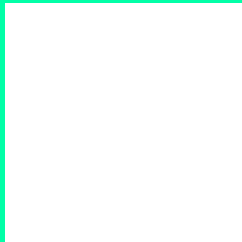
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.3165, 0.2580, 0.4485

Background



This preview shows how black text looks on a background with the Yxy color 74.3165, 0.2580, 0.4485.

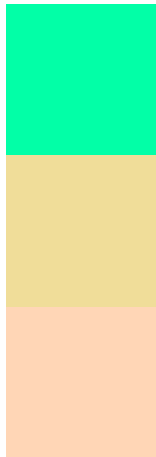


This preview shows how white text looks on a background with the Yxy color 74.3165, 0.2580, 0.4485.

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

74.3229, 0.2580, 0.4484

Protanopia

72.5381, 0.3739, 0.4015

Deuteranopia

72.7305, 0.3671, 0.3621



Tritanopia

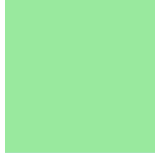
73.7783, 0.2450, 0.3102

Trichromacy



Original Color

74.3229, 0.2580, 0.4484



Protanomaly

67.5188, 0.3051, 0.4252



Deuteranomaly

66.9995, 0.3005, 0.3944



Tritanomaly

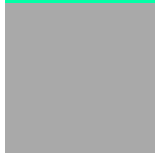
72.5173, 0.2441, 0.3566

Monochromacy



Original Color

74.3229, 0.2580, 0.4484



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

47.3239, 0.2699, 0.3767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.3165, 0.2580, 0.4485 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(2, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(2, 255, 167)  
}
```

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(2, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 255, 167) }
```

Border

The CSS property to change the border of an element to Yxy 74.3165, 0.2580, 0.4485 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(2, 255, 167) }
```

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

```
.border{ border-color:rgb(2, 255, 167) }
```

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

Here you see how a box with a 4 pixel rgb(2, 255, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(2, 255,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 74.3165, 0.2580, 0.4485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 255, 167) }
```

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

```
.background{ background-color: rgb(2, 255,  
167) }
```

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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