

Converting Colors

$Y_{xy}(100.0000, 0.2710, 0.4884)$

Have a look what the booklet for
Yxy(100.0000, 0.2710, 0.4884)
contains.

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Color

Yxy(74.3465, 0.2634, 0.4592)

Conversions

Conversions Part 1

Format	Color
Hex	21FF9F
RGB	33, 255, 159
RGB Percent	13%, 100%, 62%
CMY	0.8707, 0.0000, 0.3764
CMYK	0.87, 0.00, 0.38, 0.00
HSL	154°, 100%, 56%
HSV	154°, 87%, 100%
XYZ	42.6456, 74.3465, 44.9123
YIQ	177.6780, -101.4960, -76.9200

Conversions

Conversions Part 2

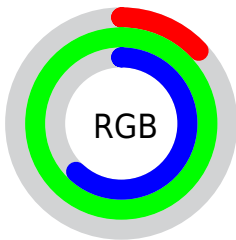
Format	Color
RYB	33, 175, 255
Decimal	2228127
CIELab	89.09, -70.18, 32.30
CIELCh	89, 77.256, 155.282
Yxy	74.3465, 0.2634, 0.4592
Android (android.graphics.Color)	4280418207 (0xFF21FF9F)
YUV	177.6780, -9.2083, -126.8826
Hunter-Lab	86.2244, -62.6087, 29.4743

Details

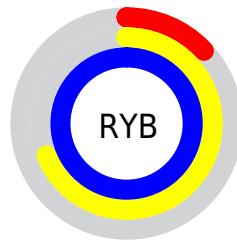
The Yxy color **74.3465, 0.2634, 0.4592** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **23.9298, 0.4938, 0.2583**, and the grayscale version is **44.4278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5126, 0.2630, 0.3786**, and **40.9940, 0.2685, 0.4866** is the 20% darker color. If you saturate the color by 10%, you get **73.7063, 0.2658, 0.4756**, and if you desaturate by 10%, it is **75.3377, 0.2629, 0.4422**.

Distribution



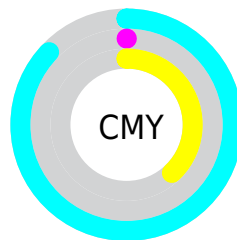
- Red (13%)
- Green (100%)
- Blue (62%)



- Red (13%)
- Yellow (69%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)



- Cyan (87%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3465, 0.2634, 0.4592 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 74.3465, 0.2634, 0.4592 by changing the saturation by 10% instead.


 74.3465, 0.2634,
0.4592

 74.3465, 0.2634,
0.4592


475.6684, 0.2886,
0.3943

 55.0777, 0.2571,
0.4751


 125.3869, 0.2726,
0.4358


 39.4639, 0.2489,
0.4953

 157.9272, 0.2760,
0.4269

 27.1208, 0.2382,
0.5217


 195.6602, 0.2789,
0.4194

 17.6640, 0.2234,
0.5574

 238.9702, 0.2814,
0.4130

 10.7090, 0.2020,
0.6079

288.2416, 0.2836,
0.4074

 5.8715, 0.1692,
0.6825


343.8589, 0.2854,

 2.7671, 0.0951,


0.4025


0.8914


406.2063, 0.2871,
0.3982

 1.0114, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 74.3465, 0.2634,
0.4592


 74.3465, 0.2634,
0.4592


 73.7063, 0.2658,
0.4756

 75.3377, 0.2629,
0.4422

 73.5572, 0.2668,
0.4803


 76.7425, 0.2645,
0.4250


 78.6111, 0.2681,
0.4081

 80.9858, 0.2735,
0.3917

 83.9044, 0.2803,
0.3762

 87.4006, 0.2882,
0.3618

 91.5055, 0.2969,
0.3486

 96.2479, 0.3061,
0.3367

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



74.3465, 0.3485, 0.5005



74.3465, 0.2634, 0.4592



74.3465, 0.1966, 0.3615

Triad

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



74.3465, 0.2634, 0.4592



74.3465, 0.1936, 0.1944



74.3465, 0.4894, 0.3482

Complementary

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



74.3465, 0.2634, 0.4592



23.9298, 0.4938, 0.2583

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.



74.3465, 0.4363, 0.2868



74.3465, 0.2634, 0.4592



74.3465, 0.2557, 0.2029

Square

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



74.3465, 0.2634, 0.4592



74.3465, 0.1631, 0.2142



74.3465, 0.3449, 0.2355



74.3465, 0.4831, 0.4134

Rectangle

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



74.3465, 0.2634, 0.4592



74.3465, 0.1705, 0.2964



74.3465, 0.3449, 0.2355



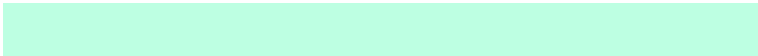
74.3465, 0.4781, 0.3271

Sweetspot

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



74.3468, 0.2634, 0.4592



87.8102, 0.2891, 0.3603



76.3112, 0.3337, 0.5644



18.5165, 0.2862, 0.3652



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.



74.3468, 0.2634, 0.4592



73.5572, 0.2668, 0.4803



69.9798, 0.2214, 0.3105



20.3410, 0.3038, 0.3395



38.4658, 0.2660, 0.4776



3.7672, 0.2608, 0.4590

Inverse Universe

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



23.9298, 0.4938, 0.2583



22.3908, 0.5292, 0.2689



23.4651, 0.6102, 0.3364



18.1175, 0.3226, 0.3188



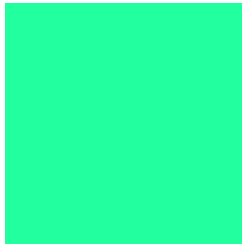
11.7283, 0.5251, 0.2666



1.1634, 0.4962, 0.2507

Previews

White Background



This preview shows how the Yxy color 74.3465, 0.2634, 0.4592 looks on a white background.

Color Contrast Check

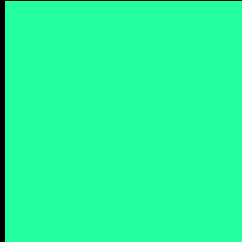
Large Text (above 18pt) WCAG AA × Fail

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 74.3465, 0.2634, 0.4592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

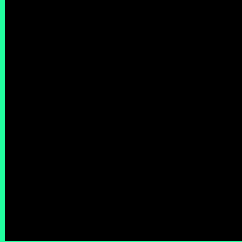
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.3465, 0.2634, 0.4592

Background



This preview shows how black text looks on a background with the Yxy color 74.3465, 0.2634, 0.4592.

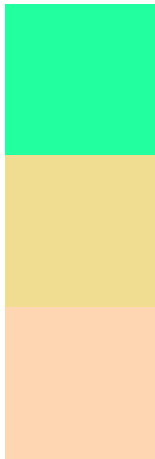


This preview shows how white text looks on a background with the Yxy color 74.3465, 0.2634, 0.4592.

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

74.3465, 0.2634, 0.4592

Protanopia

72.4580, 0.3801, 0.4095

Deuteranopia

72.5675, 0.3700, 0.3662



Tritanopia

73.8585, 0.2454, 0.3102

Trichromacy



Original Color

74.3465, 0.2634, 0.4592



Protanomaly

68.4792, 0.3173, 0.4332



Deuteranomaly

67.9776, 0.3113, 0.4007



Tritanomaly

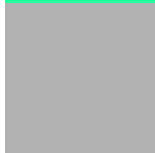
72.9589, 0.2489, 0.3603

Monochromacy



Original Color

74.3465, 0.2634, 0.4592



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

51.4429, 0.2790, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.3465, 0.2634, 0.4592 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(33, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(33, 255, 159)  
}
```

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(33, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 255, 159) }
```

Border

The CSS property to change the border of an element to Yxy 74.3465, 0.2634, 0.4592 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(33, 255, 159) }
```

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

```
.border{ border-color:rgb(33, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(33, 255,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 74.3465, 0.2634, 0.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 255, 159) }
```

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

```
.background{ background-color: rgb(33, 255,  
159) }
```

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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