

Converting Colors

$Y_{xy}(74.8610, 0.2643, 0.4525)$

Have a look what the booklet for
Yxy(74.8610, 0.2643, 0.4525)
contains.

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Color

Yxy(74.8682, 0.2644, 0.4526)

Conversions

Conversions Part 1

Format	Color
Hex	33FFA3
RGB	51, 255, 163
RGB Percent	20%, 100%, 64%
CMY	0.8002, 0.0000, 0.3606
CMYK	0.80, 0.00, 0.36, 0.00
HSL	153°, 100%, 60%
HSV	153°, 80%, 100%
XYZ	43.7365, 74.8682, 46.8133
YIQ	183.5160, -92.0520, -71.8600

Conversions

Conversions Part 2

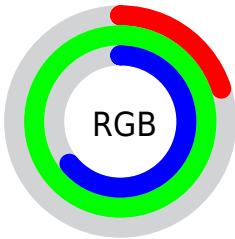
Format	Color
RYB	51, 183, 255
Decimal	3407779
CIELab	89.33, -68.00, 30.66
CIELCh	89, 74.589, 155.733
Yxy	74.8682, 0.2644, 0.4526
Android (android.graphics.Color)	4281597859 (0xFF33FFA3)
YUV	183.5160, -10.1144, -116.2165
Hunter-Lab	86.5264, -61.1948, 28.4909

Details

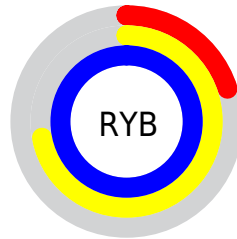
The Yxy color **74.8682, 0.2644, 0.4526** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **25.6035, 0.4673, 0.2526**, and the grayscale version is **47.7397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3278, 0.2644, 0.3732**, and **41.0583, 0.2670, 0.4813** is the 20% darker color. If you saturate the color by 10%, you get **73.9846, 0.2656, 0.4701**, and if you desaturate by 10%, it is **76.1517, 0.2653, 0.4347**.

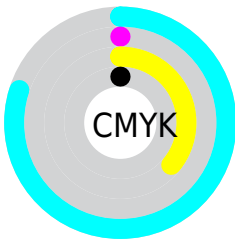
Distribution



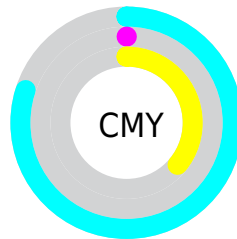
- Red (20%)
- Green (100%)
- Blue (64%)



- Red (20%)
- Yellow (72%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8682, 0.2644, 0.4526 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 74.8682, 0.2644, 0.4526 by changing the saturation by 10% instead.


 74.8682, 0.2644,
0.4526


 74.8682, 0.2644,
0.4526

477.4644, 0.2888,
0.3912

 55.5049, 0.2583,
0.4676

 126.1258, 0.2733,
0.4305


 39.8061, 0.2505,
0.4866

 158.7889, 0.2766,
0.4221

 27.3874, 0.2402,
0.5115


 196.6540, 0.2795,
0.4150

 17.8644, 0.2261,
0.5451

 240.1056, 0.2819,
0.4089

 10.8527, 0.2058,
0.5926

289.5281, 0.2840,
0.4036

 5.9679, 0.1747,
0.6632

345.3057, 0.2858,

 2.8255, 0.1105,

0.3990

0.8343

407.8231, 0.2874,
0.3949

■ 1.0413, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.8682, 0.2644,
0.4526

■ 74.8682, 0.2644,
0.4526

■ 73.9846, 0.2656,
0.4701


■ 76.1517, 0.2653,
0.4347

■ 73.4158, 0.2686,
0.4869


■ 77.8879, 0.2681,
0.4169

■ 80.1214, 0.2728,
0.3995

■ 82.8910, 0.2791,
0.3830

 86.2319, 0.2865,
0.3676

 90.1757, 0.2948,
0.3534

 94.7521, 0.3036,
0.3405

99.9885, 0.3127,
0.3290

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.



74.8682, 0.3468, 0.4939



74.8682, 0.2644, 0.4526



74.8682, 0.1998, 0.3591

Triad

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



74.8682, 0.2644, 0.4526



74.8682, 0.1980, 0.1983



74.8682, 0.4835, 0.3494

Complementary

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



74.8682, 0.2644, 0.4526



25.6035, 0.4673, 0.2526

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.



74.8682, 0.4330, 0.2893



74.8682, 0.2644, 0.4526



74.8682, 0.2589, 0.2069

Square

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



74.8682, 0.2644, 0.4526



74.8682, 0.1676, 0.2175



74.8682, 0.3454, 0.2391



74.8682, 0.4772, 0.4127

Rectangle

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



74.8682, 0.2644, 0.4526



74.8682, 0.1745, 0.2968



74.8682, 0.3454, 0.2391



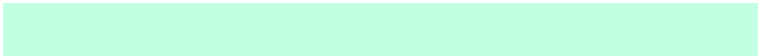
74.8682, 0.4727, 0.3287

Sweetspot

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



74.8682, 0.2644, 0.4526



88.5321, 0.2914, 0.3589



77.8853, 0.3403, 0.5495



18.6524, 0.2884, 0.3640



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.



74.8682, 0.2644, 0.4526



73.6201, 0.2673, 0.4802



75.1792, 0.2261, 0.3205



20.3352, 0.3040, 0.3399



38.3919, 0.2678, 0.4841



3.7601, 0.2625, 0.4649

Inverse Universe

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



25.6035, 0.4673, 0.2526



22.8503, 0.5110, 0.2608



24.4995, 0.5904, 0.3337



18.1232, 0.3223, 0.3183



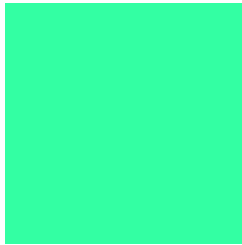
11.7838, 0.5173, 0.2624



1.1690, 0.4893, 0.2469

Previews

White Background



This preview shows how the Yxy color 74.8682, 0.2644, 0.4526 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 74.8682, 0.2644, 0.4526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

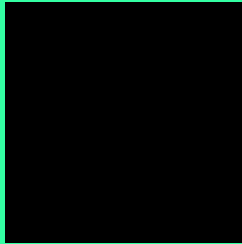
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.8682, 0.2644, 0.4526

Background



This preview shows how black text looks on a background with the Yxy color 74.8682, 0.2644, 0.4526.

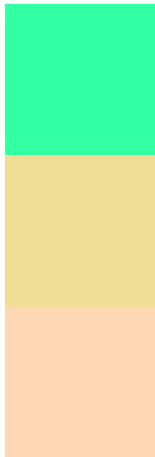


This preview shows how white text looks on a background with the Yxy color 74.8682, 0.2644, 0.4526.

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

74.8682, 0.2644, 0.4526

Protanopia

73.1133, 0.3770, 0.4064

Deuteranopia

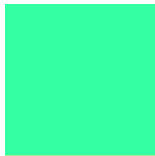
73.1971, 0.3675, 0.3641



Tritanopia

74.2714, 0.2475, 0.3103

Trichromacy



Original Color

74.8682, 0.2644, 0.4526



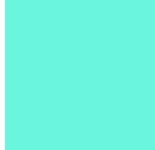
Protanomaly

69.9494, 0.3196, 0.4277



Deuteranomaly

69.4734, 0.3142, 0.3969



Tritanomaly

73.6429, 0.2513, 0.3575

Monochromacy



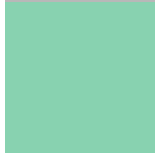
Original Color

74.8682, 0.2644, 0.4526



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.4620, 0.2832, 0.3758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8682, 0.2644, 0.4526 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(51, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 163)  
}
```

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(51, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 163) }
```

Border

The CSS property to change the border of an element to Yxy 74.8682, 0.2644, 0.4526 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(51, 255, 163) }
```

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

```
.border{ border-color:rgb(51, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8682, 0.2644, 0.4526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 163) }
```

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

```
.background{ background-color: rgb(51, 255,  
163) }
```

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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