

Converting Colors

$Yxy(74.7827, 0.2565, 0.4380)$

Have a look what the booklet for
Yxy(74.7827, 0.2565, 0.4380)
contains.

Yxy(74.7827, 0.2565, 0.4380)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(74.7827, 0.2565, 0.4380)

Conversions

Conversions Part 1

Format	Color
Hex	19FFAE
RGB	25, 255, 174
RGB Percent	10%, 100%, 68%
CMY	0.9030, 0.0000, 0.3177
CMYK	0.90, 0.00, 0.32, 0.00
HSL	159°, 100%, 55%
HSV	159°, 90%, 100%
XYZ	43.7940, 74.7827, 52.1601
YIQ	176.9960, -111.0790, -73.9510

Conversions

Conversions Part 2

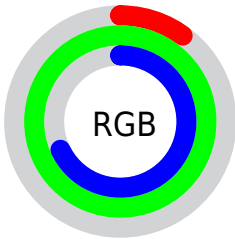
Format	Color
RYB	25, 165, 255
Decimal	1703854
CIELab	89.29, -67.66, 25.05
CIELCh	89, 72.143, 159.686
Yxy	74.7827, 0.2565, 0.4380
Android (android.graphics.Color)	4279893934 (0xFF19FFAE)
YUV	176.9960, -1.4770, -133.3005
Hunter-Lab	86.4770, -60.9381, 24.7721

Details

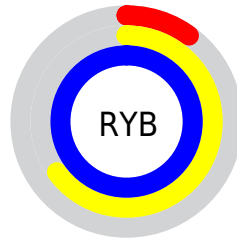
The Yxy color **74.7827, 0.2565, 0.4380** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **22.9789, 0.5333, 0.2774**, and the grayscale version is **43.9688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2262, 0.2551, 0.3586**, and **41.3130, 0.2615, 0.4613** is the 20% darker color. If you saturate the color by 10%, you get **74.2469, 0.2586, 0.4510**, and if you desaturate by 10%, it is **75.6208, 0.2560, 0.4243**.

Distribution



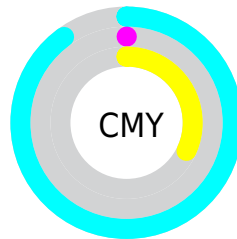
- Red (10%)
- Green (100%)
- Blue (68%)



- Red (10%)
- Yellow (65%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)




- Cyan (90%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7827, 0.2565, 0.4380 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 74.7827, 0.2565, 0.4380 by changing the saturation by 10% instead.

 74.7827, 0.2565,
0.4380

 74.7827, 0.2565,
0.4380


477.1704, 0.2840,
0.3842

 55.4349, 0.2499,
0.4511


 126.0047, 0.2663,
0.4187


 39.7500, 0.2415,
0.4677


 158.6477, 0.2701,
0.4114


 27.3437, 0.2306,
0.4893


 196.4912, 0.2733,
0.4051

 17.8315, 0.2160,
0.5186

 239.9196, 0.2760,
0.3998

 10.8291, 0.1955,
0.5601

 289.3174, 0.2784,
0.3951

 5.9520, 0.1651,
0.6225


345.0688, 0.2805,

 2.8159, 0.1004,

0.3910

0.7472


407.5583, 0.2824,
0.3874


 1.0364, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 74.7827, 0.2565,
0.4380

 74.7827, 0.2565,
0.4380


 74.2469, 0.2586,
0.4510


 75.6208, 0.2560,
0.4243


 76.8477, 0.2576,
0.4105


 78.5119, 0.2613,
0.3969

 80.6576, 0.2668,
0.3836

 83.3232, 0.2739,
0.3710

 86.5435, 0.2823,
0.3592

 90.3500, 0.2918,
0.3482

 94.7717, 0.3019,
0.3383

99.8358, 0.3124,
0.3293

Harmonies

Analogous

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



74.7827, 0.3357, 0.4869



74.7827, 0.2565, 0.4380



74.7827, 0.1971, 0.3458

Triad

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



74.7827, 0.2565, 0.4380



74.7827, 0.2073, 0.2015



74.7827, 0.4806, 0.3576

Complementary

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



74.7827, 0.2565, 0.4380



22.9789, 0.5333, 0.2774

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.



74.7827, 0.4383, 0.2980



74.7827, 0.2565, 0.4380



74.7827, 0.2706, 0.2130

Square

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



74.7827, 0.2565, 0.4380



74.7827, 0.1736, 0.2165



74.7827, 0.3564, 0.2471



74.7827, 0.4681, 0.4192

Rectangle

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



74.7827, 0.2565, 0.4380



74.7827, 0.1751, 0.2878



74.7827, 0.3564, 0.2471



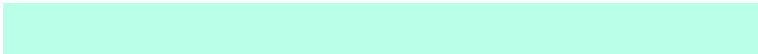
74.7827, 0.4725, 0.3372

Sweetspot

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



74.7785, 0.2565, 0.4380



87.7348, 0.2854, 0.3554



74.8503, 0.3245, 0.5747



18.5156, 0.2823, 0.3593



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.



74.7785, 0.2565, 0.4380



74.2469, 0.2586, 0.4510



60.8941, 0.2151, 0.2899



20.3665, 0.3027, 0.3375



38.8250, 0.2580, 0.4487



3.8010, 0.2537, 0.4334

Inverse Universe

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



22.9789, 0.5333, 0.2774



21.9934, 0.5619, 0.2869



24.1023, 0.6097, 0.3433



18.0926, 0.3239, 0.3207



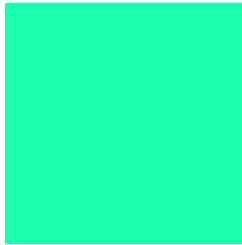
11.5175, 0.5576, 0.2845



1.1412, 0.5261, 0.2672

Previews

White Background



This preview shows how the Yxy color 74.7827, 0.2565, 0.4380 looks on a white background.

Color Contrast Check

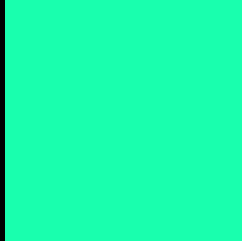
Large Text (above 18pt) WCAG AA × Fail

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 74.7827, 0.2565, 0.4380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

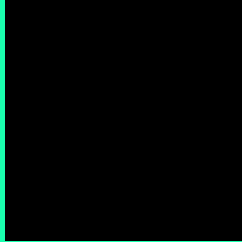
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.7827, 0.2565, 0.4380

Background



This preview shows how black text looks on a background with the Yxy color 74.7827, 0.2565, 0.4380.



This preview shows how white text looks on a background with the Yxy color 74.7827, 0.2565, 0.4380.

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

74.7827, 0.2565, 0.4380

Protanopia

73.0965, 0.3686, 0.3964

Deuteranopia

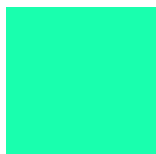
72.8983, 0.3641, 0.3579



Tritanopia

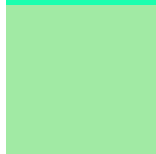
74.0213, 0.2463, 0.3103

Trichromacy



Original Color

74.7827, 0.2565, 0.4380



Protanomaly

69.1030, 0.3067, 0.4170



Deuteranomaly

68.0739, 0.3027, 0.3870



Tritanomaly

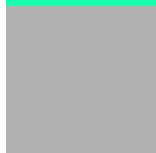
73.1755, 0.2457, 0.3526

Monochromacy



Original Color

74.7827, 0.2565, 0.4380



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

50.9348, 0.2740, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.7827, 0.2565, 0.4380 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(25, 255, 174)` looks like.

```
.text, #text, p{  
    color:rgb(25, 255, 174)  
}
```

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(25, 255, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 255, 174) }
```

Border

The CSS property to change the border of an element to Yxy 74.7827, 0.2565, 0.4380 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(25, 255, 174) }
```

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

```
.border{ border-color:rgb(25, 255, 174) }
```

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

Here you see how a box with a 4 pixel rgb(25, 255, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(25, 255,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 74.7827, 0.2565, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 255, 174) }
```

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

```
.background{ background-color: rgb(25, 255,  
174) }
```

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