

Converting Colors

$Y_{xy}(78.1954, 0.2837, 0.4412)$

Have a look what the booklet for
Yxy(78.1954, 0.2837, 0.4412)
contains.

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Color

Yxy(78.1951, 0.2840, 0.4419)

Conversions

Conversions Part 1

Format	Color
Hex	77FFA6
RGB	119, 255, 166
RGB Percent	47%, 100%, 65%
CMY	0.5331, 0.0000, 0.3492
CMYK	0.53, 0.00, 0.35, 0.00
HSL	141°, 100%, 73%
HSV	141°, 53%, 100%
XYZ	50.2544, 78.1951, 48.5026
YIQ	204.1900, -52.4870, -56.5110

Conversions

Conversions Part 2

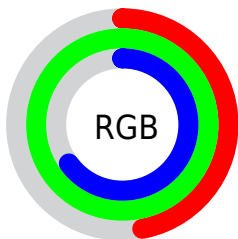
Format	Color
RYB	119, 220, 255
Decimal	7864230
CIELab	90.87, -56.33, 31.51
CIELCh	91, 64.546, 150.777
Yxy	78.1951, 0.2840, 0.4419
Android (android.graphics.Color)	4286054310 (0xFF77FFA6)
YUV	204.1900, -18.8277, -74.7116
Hunter-Lab	88.4280, -53.3059, 29.3792

Details

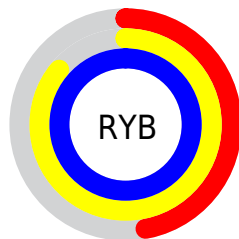
The Yxy color **78.1951, 0.2840, 0.4419** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **39.0283, 0.3647, 0.2403**, and the grayscale version is **60.6661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3776, 0.2860, 0.3658**, and **41.8816, 0.2752, 0.4721** is the 20% darker color. If you saturate the color by 10%, you get **76.0549, 0.2815, 0.4676**, and if you desaturate by 10%, it is **80.9052, 0.2879, 0.4169**.

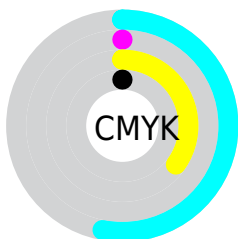
Distribution



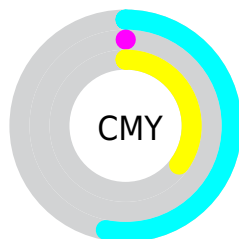
- Red (47%)
- Green (100%)
- Blue (65%)



- Red (47%)
- Yellow (86%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1951, 0.2840, 0.4419 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 78.1951, 0.2840, 0.4419 by changing the saturation by 10% instead.

 78.1951, 0.2840,
0.4419


 78.1951, 0.2840,
0.4419


488.8292, 0.2991,
0.3866

 58.2343, 0.2801,
0.4552


 130.8251, 0.2896,
0.4222

 41.9970, 0.2751,
0.4720


 164.2631, 0.2917,
0.4147

 29.0990, 0.2683,
0.4937


 202.9622, 0.2934,
0.4083

 19.1557, 0.2588,
0.5228

247.3069, 0.2949,
0.4027

 11.7828, 0.2447,
0.5635

297.6815, 0.2961,
0.3979

 6.5960, 0.2223,
0.6236

354.4705, 0.2972,


 3.2107, 0.1889,


0.3937


0.7391


418.0583, 0.2982,
0.3900


 1.2427, 0.0000,
1.0000


 0.0962, 0.0000,
1.0000


 78.1951, 0.2840,
0.4419


 78.1951, 0.2840,
0.4419


 76.0549, 0.2815,
0.4676

 80.9052, 0.2879,
0.4169

 74.4325, 0.2806,
0.4931

 84.2139, 0.2928,
0.3933

 73.2817, 0.2815,
0.5172

 88.1590, 0.2985,
0.3716

 72.5434, 0.2841,
0.5389

 92.7726, 0.3045,
0.3519

 72.2240, 0.2866,
0.5516

 98.0844, 0.3107,
0.3343

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



78.1951, 0.3566, 0.4690



78.1951, 0.2840, 0.4419



78.1951, 0.2231, 0.3692

Triad

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



78.1951, 0.2840, 0.4419



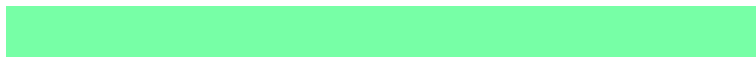
78.1951, 0.2062, 0.2157



78.1951, 0.4549, 0.3403

Complementary

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



78.1951, 0.2840, 0.4419



39.0283, 0.3647, 0.2403

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.



78.1951, 0.4045, 0.2872



78.1951, 0.2840, 0.4419



78.1951, 0.2561, 0.2189

Square

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



78.1951, 0.2840, 0.4419



78.1951, 0.1833, 0.2385



78.1951, 0.3283, 0.2444



78.1951, 0.4593, 0.3963

Rectangle

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



78.1951, 0.2840, 0.4419



78.1951, 0.1967, 0.3154



78.1951, 0.3283, 0.2444



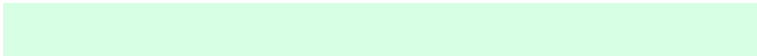
78.1951, 0.4427, 0.3219

Sweetspot

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



78.1983, 0.2840, 0.4419



91.4631, 0.3028, 0.3570



86.5093, 0.3588, 0.4732



19.3698, 0.3016, 0.3610



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.



78.1983, 0.2840, 0.4419



75.9265, 0.2813, 0.4694



81.2922, 0.2538, 0.3557



20.2716, 0.3068, 0.3450



37.7639, 0.2857, 0.5486



3.6966, 0.2794, 0.5259

Inverse Universe

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



39.0283, 0.3647, 0.2403



32.9890, 0.3799, 0.2266



36.4139, 0.4435, 0.3064



18.1876, 0.3191, 0.3136



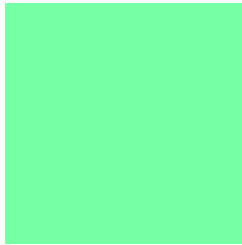
12.5963, 0.4323, 0.2155



1.2470, 0.4162, 0.2066

Previews

White Background



This preview shows how the Yxy color 78.1951, 0.2840, 0.4419 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 78.1951, 0.2840, 0.4419 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 78.1951, 0.2840, 0.4419

Background



This preview shows how black text looks on a background with the Yxy color 78.1951, 0.2840, 0.4419.

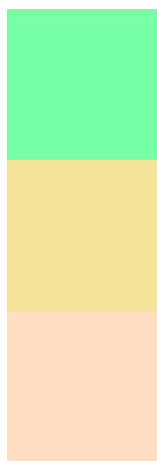


This preview shows how white text looks on a background with the Yxy color 78.1951, 0.2840, 0.4419.

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

78.1951, 0.2840, 0.4419

Protanopia

76.8641, 0.3757, 0.4049

Deuteranopia

76.8232, 0.3572, 0.3577



Tritanopia

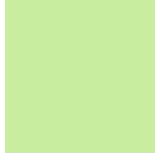
77.8650, 0.2620, 0.3122

Trichromacy



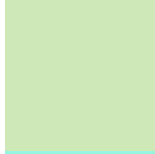
Original Color

78.1951, 0.2840, 0.4419



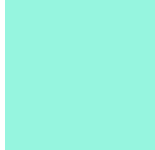
Protanomaly

75.3164, 0.3362, 0.4201



Deuteranomaly

74.8185, 0.3257, 0.3859



Tritanomaly

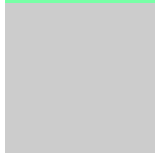
77.1166, 0.2695, 0.3549

Monochromacy



Original Color

78.1951, 0.2840, 0.4419



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.3773, 0.2992, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1951, 0.2840, 0.4419 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(119, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 166)  
}
```

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(119, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 166) }
```

Border

The CSS property to change the border of an element to Yxy 78.1951, 0.2840, 0.4419 is called "border". The border property can be set on classes, ids or directly on the HTML element.

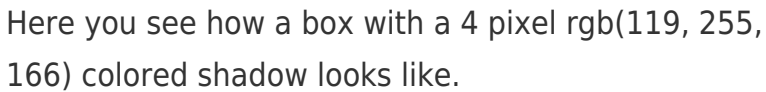
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 255, 166) }
```

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

```
.border{ border-color:rgb(119, 255, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(119, 255,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1951, 0.2840, 0.4419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 166) }
```

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

```
.background{ background-color: rgb(119,  
255, 166) }
```

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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