

Converting Colors

Yxy(78.4752, 0.3075, 0.4808)

Have a look what the booklet for
Yxy(78.4752, 0.3075, 0.4808)
contains.

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Color

Yxy(78.4477, 0.3071, 0.4804)

Conversions

Conversions Part 1

Format	Color
Hex	88FF85
RGB	136, 255, 133
RGB Percent	53%, 100%, 52%
CMY	0.4667, 0.0000, 0.4783
CMYK	0.47, 0.00, 0.48, 0.00
HSL	119°, 100%, 76%
HSV	119°, 48%, 100%
XYZ	50.1484, 78.4477, 34.7005
YIQ	205.5110, -31.7620, -63.1700

Conversions

Conversions Part 2

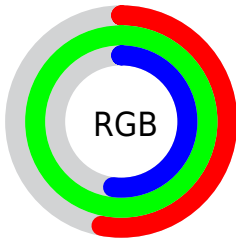
Format	Color
RYB	133, 255, 252
Decimal	8978309
CIELab	90.98, -57.11, 47.84
CIELCh	91, 74.502, 140.046
Yxy	78.4477, 0.3071, 0.4804
Android (android.graphics.Color)	4287168389 (0xFF88FF85)
YUV	205.5110, -35.7479, -60.9611
Hunter-Lab	88.5707, -53.9327, 38.7707

Details

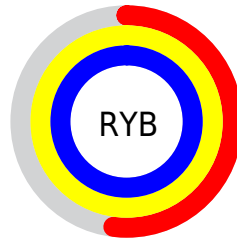
The Yxy color **78.4477, 0.3071, 0.4804** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **44.7069, 0.3156, 0.2118**, and the grayscale version is **61.6421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7529, 0.3134, 0.4037**, and **42.0075, 0.3012, 0.5203** is the 20% darker color. If you saturate the color by 10%, you get **75.9800, 0.3055, 0.5157**, and if you desaturate by 10%, it is **81.5715, 0.3086, 0.4444**.

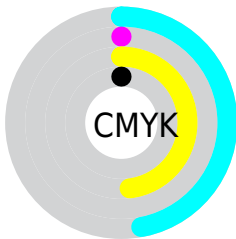
Distribution



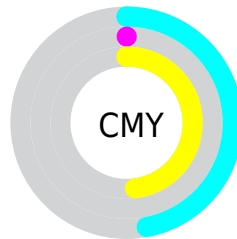
- Red (53%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (99%)



- Cyan (47%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)




- Cyan (47%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4477, 0.3071, 0.4804 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 78.4477, 0.3071, 0.4804 by changing the saturation by 10% instead.


 78.4477, 0.3071,
0.4804


 78.4477, 0.3071,
0.4804

489.6859, 0.3133,
0.4062


 58.4418, 0.3047,
0.4980


 131.1810, 0.3101,
0.4540

 42.1640, 0.3011,
0.5201

 164.6773, 0.3110,
0.4439

 29.2297, 0.2957,
0.5482


 203.4392, 0.3116,
0.4353

 19.2546, 0.2870,
0.5850

247.8510, 0.3122,
0.4279

 11.8544, 0.2725,
0.6342

298.2972, 0.3126,
0.4214

 6.6446, 0.2494,
0.7090

355.1621, 0.3129,


 3.2409, 0.2007,

0.4157

0.7993


418.8303, 0.3131,
0.4107


 1.2587, 0.0000,
1.0000


 0.1089, 0.0000,
1.0000


 78.4477, 0.3071,
0.4804


 78.4477, 0.3071,
0.4804

 75.9800, 0.3055,
0.5157


 81.5715, 0.3086,
0.4444


 74.1194, 0.3039,
0.5474

 85.3911, 0.3100,
0.4097

 72.8142, 0.3024,
0.5729

 89.9457, 0.3111,
0.3777

 72.0028, 0.3012,
0.5901

 95.2710, 0.3121,
0.3490

■ 71.6074, 0.3004,
0.5986

100.0000, 0.3127,
0.3290

■ 71.5600, 0.3003,
0.5997

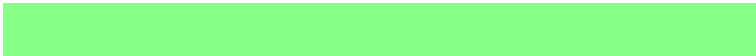
Harmonies

Analogous

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



78.4477, 0.3886, 0.4851



78.4477, 0.3071, 0.4804



78.4477, 0.2315, 0.4096

Triad

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



78.4477, 0.3071, 0.4804



78.4477, 0.1801, 0.2063



78.4477, 0.4612, 0.3176

Complementary

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



78.4477, 0.3071, 0.4804



44.7069, 0.3156, 0.2118

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.



78.4477, 0.3882, 0.2622



78.4477, 0.3071, 0.4804



78.4477, 0.2246, 0.2010

Square

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



78.4477, 0.3071, 0.4804



78.4477, 0.1657, 0.2421



78.4477, 0.2982, 0.2210



78.4477, 0.4848, 0.3793

Rectangle

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



78.4477, 0.3071, 0.4804



78.4477, 0.1948, 0.3447



78.4477, 0.2982, 0.2210



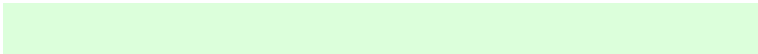
78.4477, 0.4412, 0.2981

Sweetspot

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



78.4485, 0.3071, 0.4804



91.8921, 0.3115, 0.3663



91.9079, 0.3851, 0.4427



19.4310, 0.3113, 0.3726



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

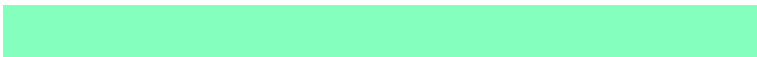
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4485, 0.3071, 0.4804



76.1609, 0.3056, 0.5128



80.2250, 0.2789, 0.4088



20.1892, 0.3119, 0.3536



37.4007, 0.3005, 0.5996



3.6487, 0.3017, 0.5987

Inverse Universe

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



44.7069, 0.3156, 0.2118



38.8928, 0.3158, 0.1933



42.1256, 0.3730, 0.2626



18.2765, 0.3134, 0.3056



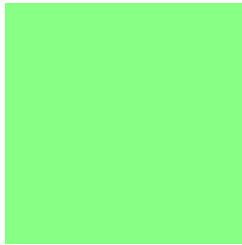
14.2874, 0.3149, 0.1508



1.3980, 0.3156, 0.1512

Previews

White Background



This preview shows how the Yxy color 78.4477, 0.3071, 0.4804 looks on a white background.

Color Contrast Check

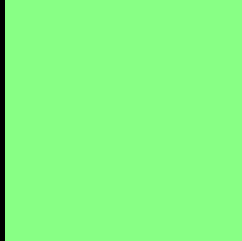
Large Text (above 18pt) WCAG AA × Fail

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 78.4477, 0.3071, 0.4804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

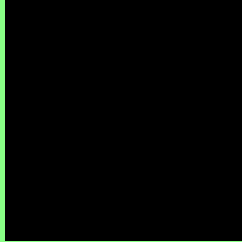
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

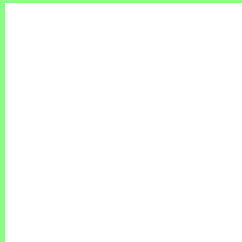
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4477, 0.3071, 0.4804

Background



This preview shows how black text looks on a background with the Yxy color 78.4477, 0.3071, 0.4804.

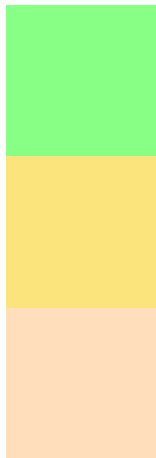


This preview shows how white text looks on a background with the Yxy color 78.4477, 0.3071, 0.4804.

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

78.4477, 0.3071, 0.4804

Protanopia

77.4261, 0.3984, 0.4338

Deuteranopia

77.0904, 0.3613, 0.3649



Tritanopia

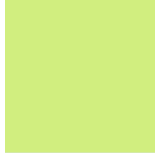
78.0670, 0.2655, 0.3112

Trichromacy



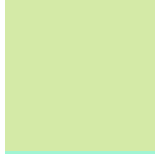
Original Color

78.4477, 0.3071, 0.4804



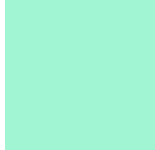
Protanomaly

76.2367, 0.3602, 0.4524



Deuteranomaly

75.6327, 0.3399, 0.4045



Tritanomaly

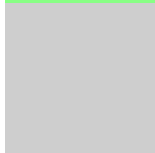
77.5850, 0.2812, 0.3691

Monochromacy



Original Color

78.4477, 0.3071, 0.4804



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.3897, 0.3115, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4477, 0.3071, 0.4804 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(136, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 133)  
}
```

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(136, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 133) }
```

Border

The CSS property to change the border of an element to Yxy 78.4477, 0.3071, 0.4804 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(136, 255, 133) }
```

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

```
.border{ border-color:rgb(136, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4477, 0.3071, 0.4804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 133) }
```

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

```
.background{ background-color: rgb(136,  
255, 133) }
```

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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