

Converting Colors

Yxy(78.8924, 0.3003, 0.4622)

Have a look what the booklet for
Yxy(78.8924, 0.3003, 0.4622)
contains.

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Color

Yxy(78.8924, 0.3003, 0.4622)

Conversions

Conversions Part 1

Format	Color
Hex	88FF94
RGB	136, 255, 148
RGB Percent	53%, 100%, 58%
CMY	0.4667, 0.0000, 0.4196
CMYK	0.47, 0.00, 0.42, 0.00
HSL	126°, 100%, 77%
HSV	126°, 47%, 100%
XYZ	51.2579, 78.8924, 40.5386
YIQ	207.2210, -36.5770, -58.5050

Conversions

Conversions Part 2

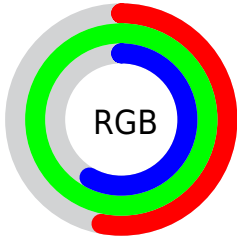
Format	Color
RYB	136, 244, 255
Decimal	8978324
CIELab	91.19, -55.02, 40.92
CIELCh	91, 68.573, 143.360
Yxy	78.8924, 0.3003, 0.4622
Android (android.graphics.Color)	4287168404 (0xFF88FF94)
YUV	207.2210, -29.1960, -62.4608
Hunter-Lab	88.8214, -52.4270, 35.1147

Details

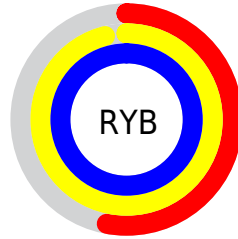
The Yxy color **78.8924, 0.3003, 0.4622** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.3400, 0.3284, 0.2249**, and the grayscale version is **62.7552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4339, 0.3052, 0.3865**, and **42.3135, 0.2938, 0.4961** is the 20% darker color. If you saturate the color by 10%, you get **76.3494, 0.2983, 0.4956**, and if you desaturate by 10%, it is **82.0865, 0.3027, 0.4292**.

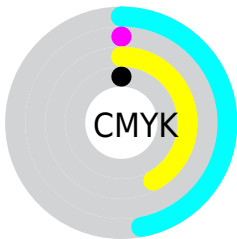
Distribution



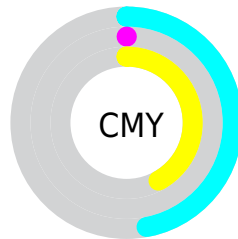
- Red (53%)
- Green (100%)
- Blue (58%)



- Red (53%)
- Yellow (96%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8924, 0.3003, 0.4622 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 78.8924, 0.3003, 0.4622 by changing the saturation by 10% instead.


 78.8924, 0.3003,
0.4622

 78.8924, 0.3003,
0.4622


491.1923, 0.3087,
0.3970

 58.8073, 0.2976,
0.4778


 131.8074, 0.3038,
0.4390

 42.4581, 0.2940,
0.4973


 165.4061, 0.3050,
0.4301

 29.4601, 0.2887,
0.5224


204.2781, 0.3059,
0.4226

 19.4292, 0.2807,
0.5557

248.8079, 0.3067,
0.4161

 11.9808, 0.2678,
0.6012

299.3798, 0.3074,
0.4104

 6.7306, 0.2456,
0.6656


356.3782, 0.3079,


 3.2942, 0.2121,


0.4054


0.7879

420.1876, 0.3083,
0.4010

 1.2872, 0.0000,
1.0000


 0.1313, 0.0000,
1.0000


 78.8924, 0.3003,
0.4622


 78.8924, 0.3003,
0.4622

 76.3494, 0.2983,
0.4956


 82.0865, 0.3027,
0.4292


 74.4132, 0.2971,
0.5274

 85.9733, 0.3054,
0.3980

 73.0326, 0.2966,
0.5553

 90.5900, 0.3082,
0.3695

 72.1483, 0.2970,
0.5770

 95.9715, 0.3109,
0.3442

■ 71.6866, 0.2982,
0.5913

100.0000, 0.3127,
0.3290

■ 71.5932, 0.2985,
0.5945

Harmonies

Analogous

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



78.8924, 0.3765, 0.4752



78.8924, 0.3003, 0.4622



78.8924, 0.2316, 0.3931

Triad

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



78.8924, 0.3003, 0.4622



78.8924, 0.1923, 0.2131



78.8924, 0.4542, 0.3258

Complementary

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



78.8924, 0.3003, 0.4622



45.3400, 0.3284, 0.2249

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.



78.8924, 0.3911, 0.2724



78.8924, 0.3003, 0.4622



78.8924, 0.2374, 0.2104

Square

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



78.8924, 0.3003, 0.4622



78.8924, 0.1755, 0.2439



78.8924, 0.3086, 0.2317



78.8924, 0.4710, 0.3841

Rectangle

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



78.8924, 0.3003, 0.4622



78.8924, 0.1992, 0.3346



78.8924, 0.3086, 0.2317



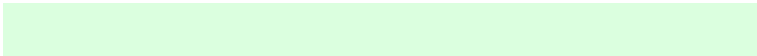
78.8924, 0.4374, 0.3071

Sweetspot

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



78.8921, 0.3003, 0.4622



91.9488, 0.3089, 0.3625



92.3701, 0.3736, 0.4470



19.4446, 0.3083, 0.3682



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.



78.8921, 0.3003, 0.4622



76.4995, 0.2985, 0.4934



81.2789, 0.2719, 0.3862



20.1979, 0.3102, 0.3511



37.4187, 0.2981, 0.5932



3.6527, 0.2944, 0.5799

Inverse Universe

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



45.3400, 0.3284, 0.2249



39.2201, 0.3322, 0.2072



42.3124, 0.3880, 0.2799



18.2670, 0.3154, 0.3079



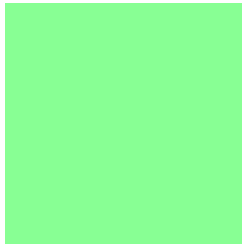
14.0865, 0.3481, 0.1691



1.3803, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 78.8924, 0.3003, 0.4622 looks on a white background.

Color Contrast Check

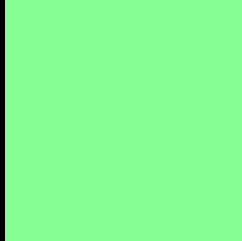
Large Text (above 18pt) WCAG AA × Fail

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 78.8924, 0.3003, 0.4622 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

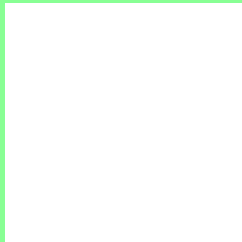
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8924, 0.3003, 0.4622

Background



This preview shows how black text looks on a background with the Yxy color 78.8924, 0.3003, 0.4622.

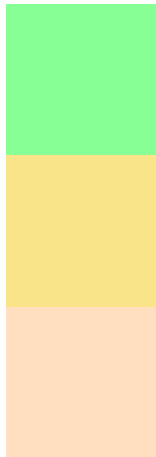


This preview shows how white text looks on a background with the Yxy color 78.8924, 0.3003, 0.4622.

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

78.8924, 0.3003, 0.4622

Protanopia

77.6458, 0.3886, 0.4205

Deuteranopia

77.7969, 0.3582, 0.3617



Tritanopia

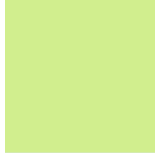
78.3001, 0.2666, 0.3113

Trichromacy



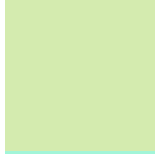
Original Color

78.8924, 0.3003, 0.4622



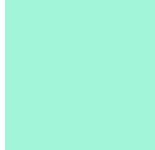
Protanomaly

76.6574, 0.3518, 0.4367



Deuteranomaly

76.5089, 0.3347, 0.3964



Tritanomaly

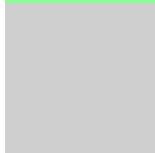
77.9441, 0.2792, 0.3630

Monochromacy



Original Color

78.8924, 0.3003, 0.4622



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.6802, 0.3071, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8924, 0.3003, 0.4622 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 148) }
```

Border

The CSS property to change the border of an element to Yxy 78.8924, 0.3003, 0.4622 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, 148) }
```

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

```
.border{ border-color:rgb(136, 255, 148) }
```

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, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8924, 0.3003, 0.4622 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, 148) }
```

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

```
.background{ background-color: rgb(136,  
255, 148) }
```

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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