

Converting Colors

Yxy(86.9296, 0.3117, 0.4946)

Have a look what the booklet for
Yxy(86.9296, 0.3117, 0.4946)
contains.

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Color

Yxy(78.8031, 0.3129, 0.4859)

Conversions

Conversions Part 1

Format	Color
Hex	8EFF7F
RGB	142, 255, 127
RGB Percent	56%, 100%, 50%
CMY	0.4432, 0.0000, 0.5018
CMYK	0.44, 0.00, 0.50, 0.00
HSL	113°, 100%, 75%
HSV	113°, 50%, 100%
XYZ	50.7460, 78.8031, 32.6305
YIQ	206.6210, -26.2600, -63.7640

Conversions

Conversions Part 2

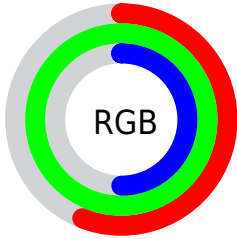
Format	Color
RYB	127, 255, 240
Decimal	9371519
CIELab	91.15, -56.21, 50.89
CIELCh	91, 75.825, 137.841
Yxy	78.8031, 0.3129, 0.4859
Android (android.graphics.Color)	4287561599 (0xFF8EFF7F)
YUV	206.6210, -39.2532, -56.6726
Hunter-Lab	88.7711, -53.3099, 40.3459

Details

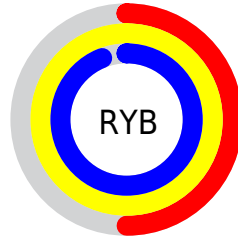
The Yxy color **78.8031, 0.3129, 0.4859** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **40.9491, 0.3052, 0.2029**, and the grayscale version is **62.4094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3149, 0.3204, 0.4097**, and **42.2208, 0.3076, 0.5262** is the 20% darker color. If you saturate the color by 10%, you get **76.4247, 0.3116, 0.5198**, and if you desaturate by 10%, it is **81.7514, 0.3137, 0.4508**.

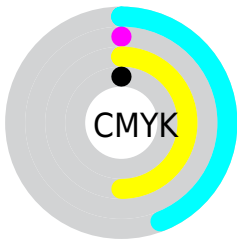
Distribution



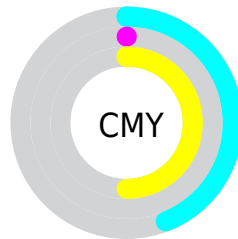
- Red (56%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (94%)



- Cyan (44%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8031, 0.3129, 0.4859 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 78.8031, 0.3129, 0.4859 by changing the saturation by 10% instead.


 78.8031, 0.3129,
0.4859

 78.8031, 0.3129,
0.4859


490.8900, 0.3168,
0.4093


 58.7339, 0.3109,
0.5040


 131.6816, 0.3151,
0.4587

 42.3990, 0.3077,
0.5265


 165.2598, 0.3158,
0.4483

 29.4138, 0.3027,
0.5551


 204.1097, 0.3162,
0.4394

 19.3941, 0.2944,
0.5921

248.6158, 0.3164,
0.4317

 11.9554, 0.2801,
0.6410

299.1625, 0.3166,
0.4250

 6.7133, 0.2590,
0.7199


356.1342, 0.3167,


 3.2835, 0.2062,


0.4191


0.7938

419.9152, 0.3168,
0.4139


 1.2814, 0.0000,
1.0000


 0.1268, 0.0000,
1.0000


 78.8031, 0.3129,
0.4859


 78.8031, 0.3129,
0.4859

 76.4247, 0.3116,
0.5198


 81.7514, 0.3137,
0.4508


 74.5802, 0.3097,
0.5500


 85.3049, 0.3139,
0.4165

 73.2272, 0.3073,
0.5740

 89.4943, 0.3138,
0.3844

 72.3174, 0.3047,
0.5900

 94.3489, 0.3134,
0.3553

 71.7924, 0.3023,
0.5981

99.8958, 0.3127,
0.3294

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.



78.8031, 0.3951, 0.4853



78.8031, 0.3129, 0.4859



78.8031, 0.2350, 0.4180

Triad

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



78.8031, 0.3129, 0.4859



78.8031, 0.1763, 0.2061



78.8031, 0.4596, 0.3128

Complementary

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



78.8031, 0.3129, 0.4859



40.9491, 0.3052, 0.2029

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.



78.8031, 0.3827, 0.2576



78.8031, 0.3129, 0.4859



78.8031, 0.2189, 0.1988

Square

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



78.8031, 0.3129, 0.4859



78.8031, 0.1639, 0.2448



78.8031, 0.2916, 0.2173



78.8031, 0.4876, 0.3749

Rectangle

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



78.8031, 0.3129, 0.4859



78.8031, 0.1965, 0.3521



78.8031, 0.2916, 0.2173



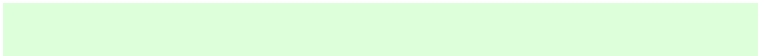
78.8031, 0.4381, 0.2933

Sweetspot

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



78.8027, 0.3129, 0.4859



91.9224, 0.3136, 0.3689



83.9078, 0.3942, 0.4374



19.4589, 0.3137, 0.3751



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

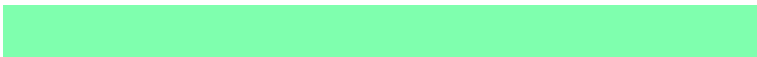
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8027, 0.3129, 0.4859



76.4619, 0.3116, 0.5192



79.0905, 0.2838, 0.4303



20.2696, 0.3133, 0.3535



37.5449, 0.3029, 0.5977



3.6867, 0.3080, 0.5937

Inverse Universe

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



40.9491, 0.3052, 0.2029



34.7524, 0.3028, 0.1821



41.0100, 0.3635, 0.2475



18.1864, 0.3119, 0.3055



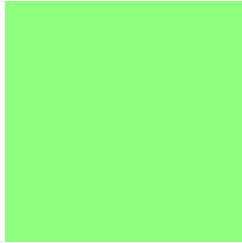
12.2002, 0.2916, 0.1380



1.2171, 0.2951, 0.1399

Previews

White Background



This preview shows how the Yxy color 78.8031, 0.3129, 0.4859 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 78.8031, 0.3129, 0.4859 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

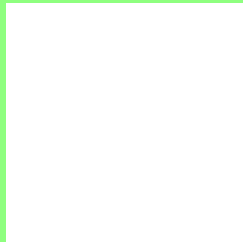
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8031, 0.3129, 0.4859

Background



This preview shows how black text looks on a background with the Yxy color 78.8031, 0.3129, 0.4859.

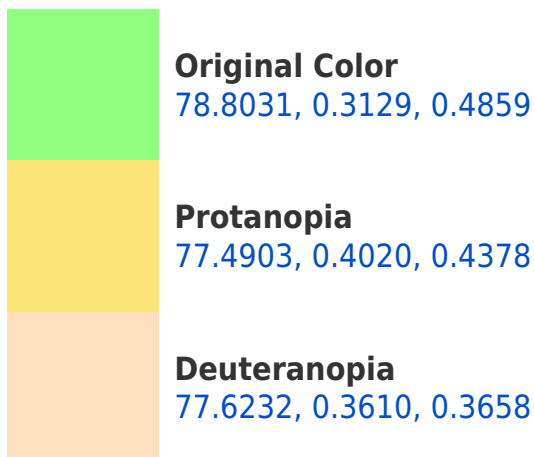


This preview shows how white text looks on a background with the Yxy color 78.8031, 0.3129, 0.4859.

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





Tritanopia

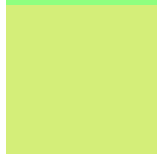
78.5367, 0.2676, 0.3113

Trichromacy



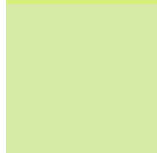
Original Color

78.8031, 0.3129, 0.4859



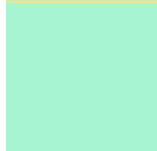
Protanomaly

76.5266, 0.3656, 0.4573



Deuteranomaly

76.4294, 0.3423, 0.4074



Tritanomaly

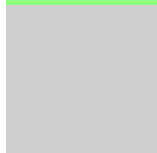
77.9659, 0.2855, 0.3725

Monochromacy



Original Color

78.8031, 0.3129, 0.4859



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.5929, 0.3135, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8031, 0.3129, 0.4859 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(142, 255, 127)` looks like.

```
.text, #text, p{  
    color:rgb(142, 255, 127)  
}
```

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(142, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 255, 127) }
```

Border

The CSS property to change the border of an element to Yxy 78.8031, 0.3129, 0.4859 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(142, 255, 127) }
```

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

```
.border{ border-color:rgb(142, 255, 127) }
```

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

Here you see how a box with a 4 pixel rgb(142, 255, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(142, 255,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8031, 0.3129, 0.4859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 255, 127) }
```

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

```
.background{ background-color: rgb(142,  
255, 127) }
```

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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