

Converting Colors

Yxy(78.4943, 0.3098, 0.4685)

Have a look what the booklet for
Yxy(78.4943, 0.3098, 0.4685)
contains.

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Color

Yxy(78.3471, 0.3099, 0.4679)

Conversions

Conversions Part 1

Format	Color
Hex	93FD8C
RGB	147, 253, 140
RGB Percent	58%, 99%, 55%
CMY	0.4236, 0.0078, 0.4509
CMYK	0.42, 0.00, 0.45, 0.01
HSL	116°, 97%, 77%
HSV	116°, 45%, 99%
XYZ	51.8909, 78.3471, 37.2061
YIQ	208.4240, -26.9030, -57.6150

Conversions

Conversions Part 2

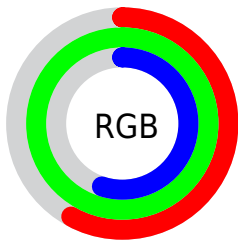
Format	Color
RYB	140, 253, 246
Decimal	9698700
CIELab	90.94, -52.29, 44.55
CIELCh	91, 68.694, 139.567
Yxy	78.3471, 0.3099, 0.4679
Android (android.graphics.Color)	4287888780 (0xFF93FD8C)
YUV	208.4240, -33.7330, -53.8688
Hunter-Lab	88.5139, -50.2544, 37.0377

Details

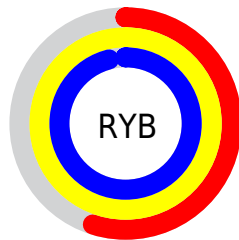
The Yxy color **78.3471, 0.3099, 0.4679** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.4553, 0.3118, 0.2176**, and the grayscale version is **63.6036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4393, 0.3157, 0.3945**, and **42.2918, 0.3056, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **75.7150, 0.3085, 0.5033**, and if you desaturate by 10%, it is **81.6103, 0.3110, 0.4325**.

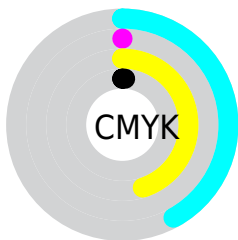
Distribution



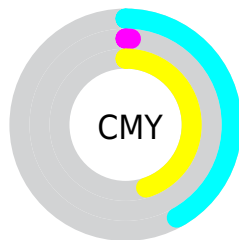
- Red (58%)
- Green (99%)
- Blue (55%)



- Red (55%)
- Yellow (99%)
- Blue (96%)



- Cyan (42%)
- Magenta (0%)
- Yellow (45%)
- Black (1%)




- Cyan (42%)
- Magenta (1%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3471, 0.3099, 0.4679 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 78.3471, 0.3099, 0.4679 by changing the saturation by 10% instead.

 78.3471, 0.3099,
0.4679


 78.3471, 0.3099,
0.4679


489.3448, 0.3142,
0.4001

 58.3592, 0.3081,
0.4840


 131.0393, 0.3121,
0.4438

 42.0975, 0.3053,
0.5042


 164.5124, 0.3127,
0.4346

 29.1776, 0.3010,
0.5299


203.2492, 0.3132,
0.4267

 19.2152, 0.2941,
0.5638

247.6343, 0.3135,
0.4199

 11.8259, 0.2823,
0.6095

298.0520, 0.3138,
0.4140

 6.6252, 0.2618,
0.6755


354.8868, 0.3140,


 3.2289, 0.2235,


0.4088


0.7765


418.5229, 0.3141,
0.4042


 1.2523, 0.0000,
1.0000

 0.1038, 0.0000,
1.0000


 78.3471, 0.3099,
0.4679


 78.3471, 0.3099,
0.4679


 75.7150, 0.3085,
0.5033


 81.6103, 0.3110,
0.4325


 73.6640, 0.3069,
0.5363

 85.5310, 0.3118,
0.3988

 72.1528, 0.3050,
0.5641

 90.1462, 0.3123,
0.3681

 71.1304, 0.3032,
0.5843

 95.4874, 0.3126,
0.3406

■ 70.5357, 0.3015,
0.5960

98.7344, 0.3128,
0.3271

■ 70.3610, 0.3009,
0.5993

Harmonies

Analogous

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



78.3471, 0.3858, 0.4733



78.3471, 0.3099, 0.4679



78.3471, 0.2388, 0.4042

Triad

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



78.3471, 0.3099, 0.4679



78.3471, 0.1882, 0.2149



78.3471, 0.4490, 0.3185

Complementary

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



78.3471, 0.3099, 0.4679



45.4553, 0.3118, 0.2176

Split Complementary

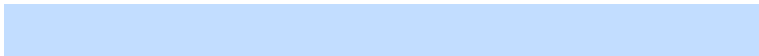
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3471, 0.3813, 0.2662



78.3471, 0.3099, 0.4679



78.3471, 0.2299, 0.2090

Square

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



78.3471, 0.3099, 0.4679



78.3471, 0.1750, 0.2498



78.3471, 0.2984, 0.2275



78.3471, 0.4723, 0.3768

Rectangle

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



78.3471, 0.3099, 0.4679



78.3471, 0.2039, 0.3456



78.3471, 0.2984, 0.2275



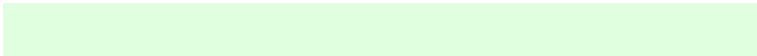
78.3471, 0.4303, 0.3000

Sweetspot

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



78.3504, 0.3099, 0.4679



92.6162, 0.3124, 0.3633



88.3698, 0.3822, 0.4328



19.5825, 0.3123, 0.3697



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.



78.3504, 0.3099, 0.4679



77.2310, 0.3086, 0.5011



79.5052, 0.2824, 0.4073



20.2216, 0.3125, 0.3535



37.4474, 0.3013, 0.5990



3.6640, 0.3043, 0.5966

Inverse Universe

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



45.4553, 0.3118, 0.2176



39.6981, 0.3111, 0.1972



44.0085, 0.3635, 0.2631



18.2400, 0.3128, 0.3055



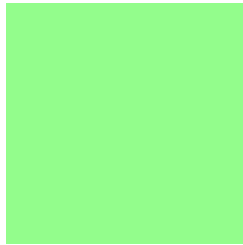
13.4113, 0.3055, 0.1456



1.3224, 0.3073, 0.1467

Previews

White Background



This preview shows how the Yxy color 78.3471, 0.3099, 0.4679 looks on a white background.

Color Contrast Check

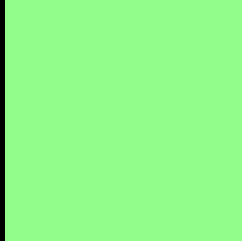
Large Text (above 18pt) WCAG AA × Fail

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 78.3471, 0.3099, 0.4679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

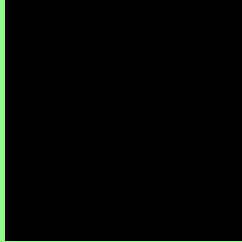
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

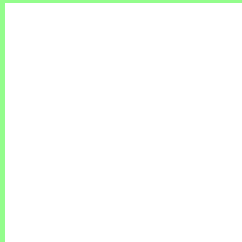
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3471, 0.3099, 0.4679

Background



This preview shows how black text looks on a background with the Yxy color 78.3471, 0.3099, 0.4679.



This preview shows how white text looks on a background with the Yxy color 78.3471, 0.3099, 0.4679.

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

78.3471, 0.3099, 0.4679

Protanopia

77.4495, 0.3929, 0.4270

Deuteranopia

77.1334, 0.3605, 0.3638



Tritanopia

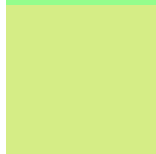
77.9528, 0.2675, 0.3102

Trichromacy



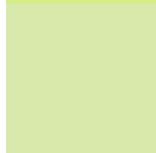
Original Color

78.3471, 0.3099, 0.4679



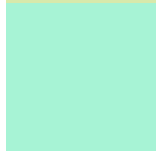
Protanomaly

76.4357, 0.3596, 0.4431



Deuteranomaly

75.8170, 0.3404, 0.3983



Tritanomaly

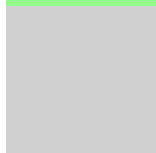
77.1208, 0.2833, 0.3641

Monochromacy



Original Color

78.3471, 0.3099, 0.4679



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.1693, 0.3125, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3471, 0.3099, 0.4679 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(147, 253, 140)` looks like.

```
.text, #text, p{  
    color:rgb(147, 253, 140)  
}
```

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(147, 253, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 253, 140) }
```

Border

The CSS property to change the border of an element to Yxy 78.3471, 0.3099, 0.4679 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(147, 253, 140) }
```

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

```
.border{ border-color:rgb(147, 253, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 253, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 253, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 253, 140); box-shadow:4px 4px 4px 4px rgb(147, 253, 140) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3471, 0.3099, 0.4679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 253, 140) }
```

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

```
.background{ background-color: rgb(147,  
253, 140) }
```

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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