

Converting Colors

Yxy(79.9872, 0.3100, 0.4653)

Have a look what the booklet for
Yxy(79.9872, 0.3100, 0.4653)
contains.

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Color

Yxy(79.9872, 0.3100, 0.4653)

Conversions

Conversions Part 1

Format	Color
Hex	96FF8F
RGB	150, 255, 143
RGB Percent	59%, 100%, 56%
CMY	0.4120, 0.0000, 0.4391
CMYK	0.41, 0.00, 0.44, 0.00
HSL	116°, 100%, 78%
HSV	116°, 44%, 100%
XYZ	53.2904, 79.9872, 38.6270
YIQ	210.8370, -26.6280, -57.0920

Conversions

Conversions Part 2

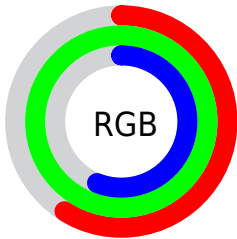
Format	Color
RYB	143, 255, 248
Decimal	9895823
CIELab	91.68, -51.84, 44.07
CIElCh	92, 68.042, 139.630
Yxy	79.9872, 0.3100, 0.4653
Android (android.graphics.Color)	4288085903 (0xFF96FF8F)
YUV	210.8370, -33.4436, -53.3540
Hunter-Lab	89.4356, -50.1525, 36.9977

Details

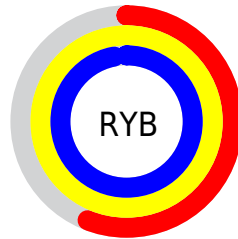
The Yxy color **79.9872, 0.3100, 0.4653** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **46.8438, 0.3119, 0.2193**, and the grayscale version is **65.2578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0071, 0.3159, 0.3907**, and **42.9460, 0.3058, 0.5008** is the 20% darker color. If you saturate the color by 10%, you get **77.2546, 0.3086, 0.5008**, and if you desaturate by 10%, it is **83.3512, 0.3111, 0.4299**.

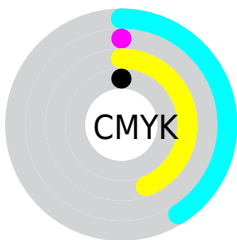
Distribution



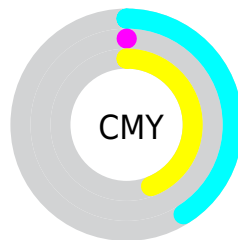
- Red (59%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (97%)



- Cyan (41%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)



- Cyan (41%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9872, 0.3100, 0.4653 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 79.9872, 0.3100, 0.4653 by changing the saturation by 10% instead.


 79.9872, 0.3100,
0.4653


 79.9872, 0.3100,
0.4653


494.8897, 0.3142,
0.3990

 59.7078, 0.3082,
0.4810


 133.3477, 0.3121,
0.4418

 43.1832, 0.3056,
0.5006


 167.1977, 0.3127,
0.4328

 30.0289, 0.3016,
0.5256


206.3399, 0.3132,
0.4251

 19.8605, 0.2951,
0.5584

251.1589, 0.3135,
0.4185

 12.2937, 0.2840,
0.6027

302.0390, 0.3137,
0.4127

 6.9440, 0.2643,
0.6651


359.3645, 0.3139,


 3.4271, 0.2307,

0.4076


0.7693


423.5200, 0.3141,
0.4031


 1.3586, 0.0000,
1.0000


 0.1859, 0.0000,
1.0000

 79.9872, 0.3100,
0.4653

 79.9872, 0.3100,
0.4653


 77.2546, 0.3086,
0.5008

 83.3512, 0.3111,
0.4299

 75.1241, 0.3070,
0.5341

 87.3947, 0.3118,
0.3965

 73.5470, 0.3052,
0.5623

 92.1480, 0.3123,
0.3659

 72.4717, 0.3033,
0.5832

 97.6430, 0.3126,
0.3387

■ 71.8371, 0.3017,
0.5954

100.0000, 0.3127,
0.3290

■ 71.6281, 0.3009,
0.5993

Harmonies

Analogous

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



79.9872, 0.3848, 0.4711



79.9872, 0.3100, 0.4653



79.9872, 0.2399, 0.4027

Triad

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



79.9872, 0.3100, 0.4653



79.9872, 0.1899, 0.2165



79.9872, 0.4469, 0.3190

Complementary

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



79.9872, 0.3100, 0.4653



46.8438, 0.3119, 0.2193

Split Complementary

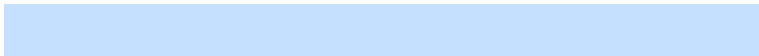
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9872, 0.3804, 0.2672



79.9872, 0.3100, 0.4653



79.9872, 0.2312, 0.2106

Square

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



79.9872, 0.3100, 0.4653



79.9872, 0.1769, 0.2510



79.9872, 0.2989, 0.2289



79.9872, 0.4699, 0.3766

Rectangle

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



79.9872, 0.3100, 0.4653



79.9872, 0.2054, 0.3452



79.9872, 0.2989, 0.2289



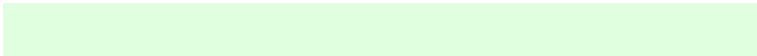
79.9872, 0.4285, 0.3007

Sweetspot

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



79.9835, 0.3100, 0.4653



92.6172, 0.3124, 0.3633



90.0934, 0.3811, 0.4313



19.5827, 0.3123, 0.3697



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

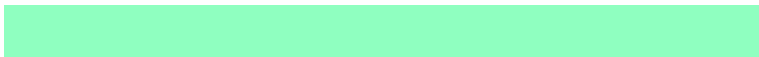
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9835, 0.3100, 0.4653



77.4777, 0.3088, 0.4976



81.1480, 0.2828, 0.4057



20.2217, 0.3125, 0.3535



37.4477, 0.3013, 0.5990



3.6641, 0.3043, 0.5966

Inverse Universe

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



46.8438, 0.3119, 0.2193



40.3263, 0.3112, 0.1993



45.3929, 0.3624, 0.2642



18.2398, 0.3128, 0.3055



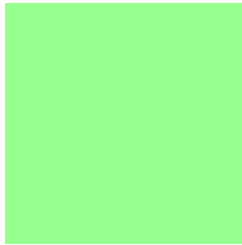
13.4070, 0.3054, 0.1456



1.3220, 0.3073, 0.1467

Previews

White Background



This preview shows how the Yxy color 79.9872, 0.3100, 0.4653 looks on a white background.

Color Contrast Check

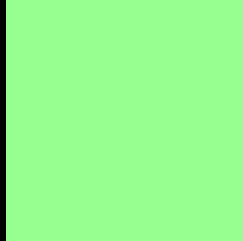
Large Text (above 18pt) WCAG AA × Fail

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 79.9872, 0.3100, 0.4653 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

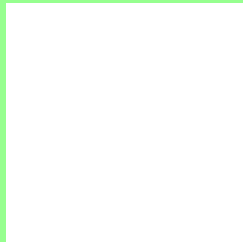
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.9872, 0.3100, 0.4653

Background



This preview shows how black text looks on a background with the Yxy color 79.9872, 0.3100, 0.4653.

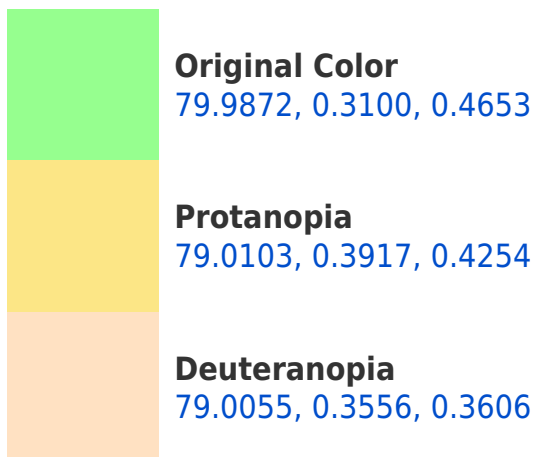


This preview shows how white text looks on a background with the Yxy color 79.9872, 0.3100, 0.4653.

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

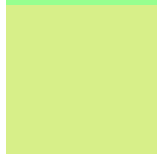
79.3921, 0.2714, 0.3115

Trichromacy



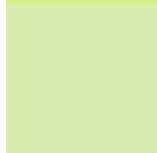
Original Color

79.9872, 0.3100, 0.4653



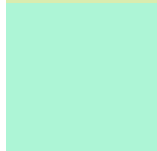
Protanomaly

77.9862, 0.3587, 0.4412



Deuteranomaly

77.8378, 0.3380, 0.3966



Tritanomaly

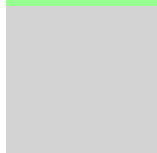
79.0441, 0.2863, 0.3648

Monochromacy



Original Color

79.9872, 0.3100, 0.4653



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.3022, 0.3125, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9872, 0.3100, 0.4653 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(150, 255, 143)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 143)  
}
```

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(150, 255, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 143) }
```

Border

The CSS property to change the border of an element to Yxy 79.9872, 0.3100, 0.4653 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(150, 255, 143) }
```

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

```
.border{ border-color:rgb(150, 255, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9872, 0.3100, 0.4653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 143) }
```

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

```
.background{ background-color: rgb(150,  
255, 143) }
```

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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