

Converting Colors

$Y_{xy}(100.0000, 0.3297, 0.5472)$

Have a look what the booklet for
Yxy(100.0000, 0.3297, 0.5472)
contains.

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Color

Yxy(78.4851, 0.3373, 0.5344)

Conversions

Conversions Part 1

Format	Color
Hex	96FF49
RGB	150, 255, 73
RGB Percent	59%, 100%, 29%
CMY	0.4118, 0.0000, 0.7137
CMYK	0.41, 0.00, 0.71, 0.00
HSL	95°, 100%, 64%
HSV	95°, 71%, 100%
XYZ	49.5378, 78.4851, 18.8429
YIQ	202.8570, -4.1580, -78.8620

Conversions

Conversions Part 2

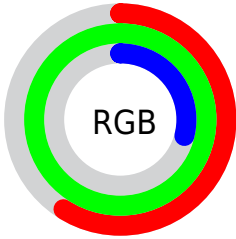
Format	Color
RYB	73, 255, 178
Decimal	9895753
CIELab	91.00, -58.83, 73.03
CIELCh	91, 93.779, 128.853
Yxy	78.4851, 0.3373, 0.5344
Android (android.graphics.Color)	4288085833 (0xFF96FF49)
YUV	202.8570, -64.0195, -46.3556
Hunter-Lab	88.5918, -55.2239, 49.4037

Details

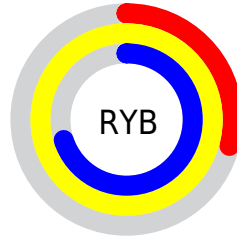
The Yxy color **78.4851, 0.3373, 0.5344** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **21.4560, 0.2472, 0.1367**, and the grayscale version is **60.0348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8603, 0.3533, 0.4619**, and **42.0564, 0.3300, 0.5762** is the 20% darker color. If you saturate the color by 10%, you get **76.9023, 0.3347, 0.5558**, and if you desaturate by 10%, it is **80.3783, 0.3378, 0.5081**.

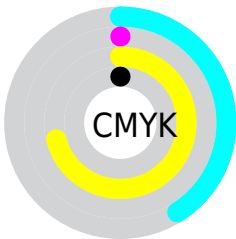
Distribution



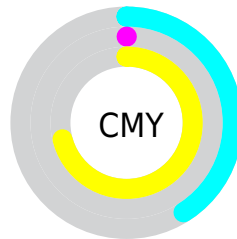
- Red (59%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (70%)



- Cyan (41%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4851, 0.3373, 0.5344 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 78.4851, 0.3373, 0.5344 by changing the saturation by 10% instead.


 78.4851, 0.3373,
0.5344


 78.4851, 0.3373,
0.5344

489.8127, 0.3342,
0.4361

 58.4726, 0.3355,
0.5563

 131.2337, 0.3382,
0.5005


 42.1887, 0.3318,
0.5825


 164.7386, 0.3380,
0.4872

 29.2491, 0.3250,
0.6141


 203.5097, 0.3375,
0.4757

 19.2693, 0.3128,
0.6519

 247.9315, 0.3369,
0.4657

 11.8650, 0.2949,
0.7051

 298.3883, 0.3363,
0.4569

 6.6518, 0.2535,
0.7465


355.2645, 0.3356,


 3.2453, 0.1925,


0.4492


0.8075


418.9445, 0.3349,
0.4423


 1.2611, 0.0000,
1.0000


 0.1108, 0.0000,
1.0000


 78.4851, 0.3373,
0.5344


 78.4851, 0.3373,
0.5344


 76.9023, 0.3347,
0.5558


 80.3783, 0.3378,
0.5081

 75.6105, 0.3303,
0.5711

 82.6084, 0.3364,
0.4785

 74.6985, 0.3254,
0.5798

 85.1925, 0.3335,
0.4473

 88.1480, 0.3293,
0.4162

■ 91.4909, 0.3244,
0.3862

■ 95.2362, 0.3190,
0.3581

■ 99.3980, 0.3135,
0.3323

■ 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.



78.4851, 0.4324, 0.5004



78.4851, 0.3373, 0.5344



78.4851, 0.2410, 0.4765

Triad

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



78.4851, 0.3373, 0.5344



78.4851, 0.1442, 0.1907



78.4851, 0.4705, 0.2858

Complementary

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



78.4851, 0.3373, 0.5344



21.4560, 0.2472, 0.1367

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.



78.4851, 0.3633, 0.2270



78.4851, 0.3373, 0.5344



78.4851, 0.1818, 0.1744

Square

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



78.4851, 0.3373, 0.5344



78.4851, 0.1394, 0.2460



78.4851, 0.2559, 0.1878



78.4851, 0.5236, 0.3544

Rectangle

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



78.4851, 0.3373, 0.5344



78.4851, 0.1895, 0.3942



78.4851, 0.2559, 0.1878



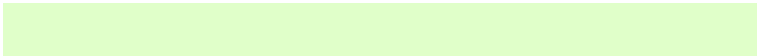
78.4851, 0.4383, 0.2647

Sweetspot

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



78.4834, 0.3373, 0.5344



91.6211, 0.3242, 0.3851



52.8467, 0.4666, 0.4252



19.4038, 0.3256, 0.3932



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.



78.4834, 0.3373, 0.5344



76.2695, 0.3329, 0.5637



73.5952, 0.2986, 0.5473



20.5435, 0.3180, 0.3531



39.1150, 0.3266, 0.5789



3.8711, 0.3354, 0.5719

Inverse Universe

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



21.4560, 0.2472, 0.1367



16.1716, 0.2307, 0.1110



32.4900, 0.3320, 0.1804



17.8953, 0.3070, 0.3051



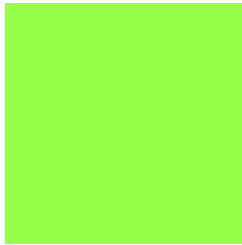
7.1111, 0.2179, 0.0974



0.7567, 0.2292, 0.1036

Previews

White Background



This preview shows how the Yxy color 78.4851, 0.3373, 0.5344 looks on a white background.

Color Contrast Check

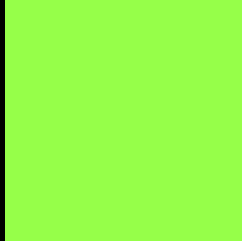
Large Text (above 18pt) WCAG AA × Fail

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 78.4851, 0.3373, 0.5344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

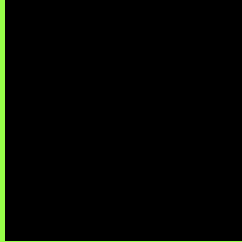
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

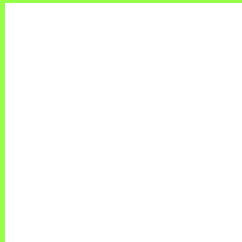
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4851, 0.3373, 0.5344

Background



This preview shows how black text looks on a background with the Yxy color 78.4851, 0.3373, 0.5344.



This preview shows how white text looks on a background with the Yxy color 78.4851, 0.3373, 0.5344.

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

78.4851, 0.3373, 0.5344

Protanopia

77.2278, 0.4256, 0.4683

Deuteranopia

77.3715, 0.3653, 0.3720



Tritanopia

77.7335, 0.2690, 0.3092

Trichromacy



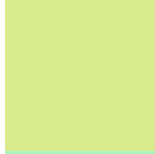
Original Color

78.4851, 0.3373, 0.5344



Protanomaly

76.3818, 0.3905, 0.4939



Deuteranomaly

76.1214, 0.3586, 0.4318



Tritanomaly

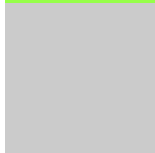
76.9215, 0.2981, 0.3945

Monochromacy



Original Color

78.4851, 0.3373, 0.5344



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.8332, 0.3285, 0.4105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4851, 0.3373, 0.5344 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 73) }
```

Border

The CSS property to change the border of an element to Yxy 78.4851, 0.3373, 0.5344 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, 73) }
```

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

```
.border{ border-color:rgb(150, 255, 73) }
```

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, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 73);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4851, 0.3373, 0.5344 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, 73) }
```

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

```
.background{ background-color: rgb(150,  
255, 73) }
```

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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