

Converting Colors

$Y_{xy}(78.7051, 0.3539, 0.5392)$

Have a look what the booklet for
Yxy(78.7051, 0.3539, 0.5392)
contains.

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Color

Yxy(78.7051, 0.3539, 0.5392)

Conversions

Conversions Part 1

Format	Color
Hex	A7FD33
RGB	167, 253, 51
RGB Percent	65%, 99%, 20%
CMY	0.3452, 0.0078, 0.7999
CMYK	0.34, 0.00, 0.80, 0.01
HSL	86°, 98%, 60%
HSV	86°, 80%, 99%
XYZ	51.6575, 78.7051, 15.6038
YIQ	204.2580, 13.5860, -81.0540

Conversions

Conversions Part 2

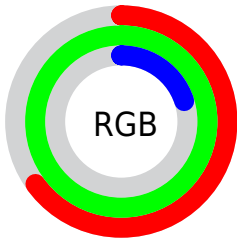
Format	Color
RYB	51, 253, 137
Decimal	11009331
CIELab	91.10, -53.60, 79.99
CIElCh	91, 96.293, 123.825
Yxy	78.7051, 0.3539, 0.5392
Android (android.graphics.Color)	4289199411 (0xFFA7FD33)
YUV	204.2580, -75.5562, -32.6753
Hunter-Lab	88.7159, -51.3158, 51.6729

Details

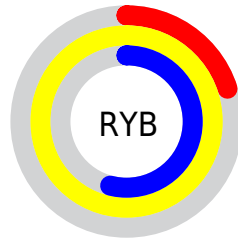
The Yxy color **78.7051, 0.3539, 0.5392** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **14.7861, 0.2115, 0.1069**, and the grayscale version is **61.0389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0887, 0.3726, 0.4706**, and **42.6057, 0.3428, 0.5660** is the 20% darker color. If you saturate the color by 10%, you get **77.4176, 0.3509, 0.5538**, and if you desaturate by 10%, it is **80.2186, 0.3544, 0.5193**.

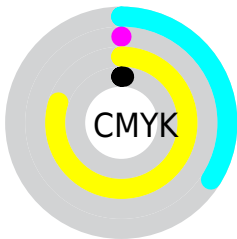
Distribution



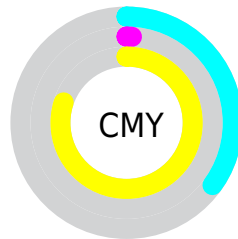
- Red (65%)
- Green (99%)
- Blue (20%)



- Red (20%)
- Yellow (99%)
- Blue (54%)



- Cyan (34%)
- Magenta (0%)
- Yellow (80%)
- Black (1%)





- Cyan (35%)
- Magenta (1%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7051, 0.3539, 0.5392 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 78.7051, 0.3539, 0.5392 by changing the saturation by 10% instead.

 78.7051, 0.3539,
0.5392


 78.7051, 0.3539,
0.5392


490.5581, 0.3446,
0.4408


 58.6534, 0.3530,
0.5602


 131.5436, 0.3531,
0.5059

 42.3342, 0.3502,
0.5848


 165.0992, 0.3520,
0.4926


 29.3630, 0.3441,
0.6137


 203.9249, 0.3508,
0.4811

 19.3556, 0.3330,
0.6480


 248.4050, 0.3496,
0.4710

 11.9275, 0.3127,
0.6873

 298.9240, 0.3483,
0.4621

 6.6943, 0.2748,
0.7252

355.8663, 0.3470,

 3.2717, 0.2183,

0.4542

0.7817

419.6162, 0.3458,
0.4472

■ 1.2752, 0.0000,
1.0000

■ 0.1219, 0.0000,
1.0000

■ 78.7051, 0.3539,
0.5392

■ 78.7051, 0.3539,
0.5392

■ 77.4176, 0.3509,
0.5538

■ 80.2186, 0.3544,
0.5193


■ 76.3155, 0.3461,
0.5633


■ 81.9671, 0.3526,
0.4951


■ 76.2977, 0.3460,
0.5635


■ 83.9709, 0.3486,
0.4677

■ 86.2447, 0.3430,
0.4388

 88.8020, 0.3361,
0.4095

 91.6551, 0.3285,
0.3809

 94.8154, 0.3206,
0.3538

 98.2939, 0.3126,
0.3286

 98.7352, 0.3128,
0.3271

Harmonies

Analogous

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



78.7051, 0.4486, 0.4922



78.7051, 0.3539, 0.5392



78.7051, 0.2542, 0.4982

Triad

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



78.7051, 0.3539, 0.5392



78.7051, 0.1380, 0.1939



78.7051, 0.4585, 0.2736

Complementary

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



78.7051, 0.3539, 0.5392



14.7861, 0.2115, 0.1069

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.



78.7051, 0.3445, 0.2166



78.7051, 0.3539, 0.5392



78.7051, 0.1703, 0.1719

Square

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



78.7051, 0.3539, 0.5392



78.7051, 0.1386, 0.2580



78.7051, 0.2391, 0.1809



78.7051, 0.5249, 0.3420

Rectangle

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



78.7051, 0.3539, 0.5392



78.7051, 0.1981, 0.4186



78.7051, 0.2391, 0.1809



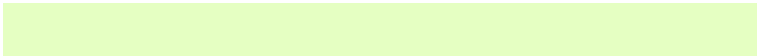
78.7051, 0.4229, 0.2528

Sweetspot

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



78.7085, 0.3539, 0.5392



92.0533, 0.3318, 0.3927



38.5044, 0.5174, 0.4001



19.4839, 0.3345, 0.4029



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.



78.7085, 0.3539, 0.5392



78.0967, 0.3480, 0.5601



71.7187, 0.3053, 0.5747



20.6829, 0.3203, 0.3529



40.6726, 0.3471, 0.5626



4.0246, 0.3550, 0.5563

Inverse Universe

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



14.7861, 0.2115, 0.1069



11.0499, 0.1912, 0.0839



27.3261, 0.3039, 0.1550



17.7559, 0.3046, 0.3049



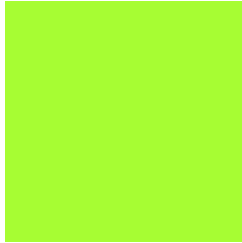
5.5421, 0.1885, 0.0812



0.6024, 0.2011, 0.0882

Previews

White Background



This preview shows how the Yxy color 78.7051, 0.3539, 0.5392 looks on a white background.

Color Contrast Check

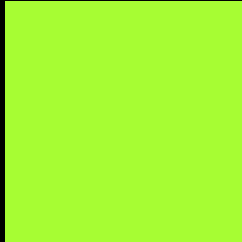
Large Text (above 18pt) WCAG AA × Fail

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 78.7051, 0.3539, 0.5392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

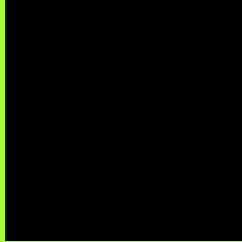
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.7051, 0.3539, 0.5392

Background



This preview shows how black text looks on a background with the Yxy color 78.7051, 0.3539, 0.5392.



This preview shows how white text looks on a background with the Yxy color 78.7051, 0.3539, 0.5392.

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

78.7051, 0.3539, 0.5392

Protanopia

77.8631, 0.4226, 0.4656

Deuteranopia

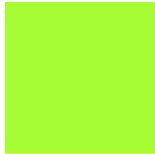
77.3715, 0.3653, 0.3720



Tritanopia

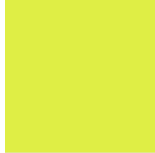
78.3531, 0.2750, 0.3095

Trichromacy



Original Color

78.7051, 0.3539, 0.5392



Protanomaly

77.2667, 0.3964, 0.4933



Deuteranomaly

76.2548, 0.3681, 0.4375



Tritanomaly

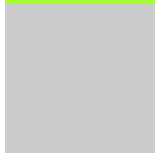
76.8668, 0.3112, 0.4019

Monochromacy



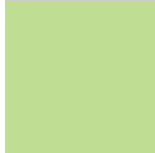
Original Color

78.7051, 0.3539, 0.5392



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.4570, 0.3389, 0.4189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7051, 0.3539, 0.5392 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(167, 253, 51)` looks like.

```
.text, #text, p{  
    color:rgb(167, 253, 51)  
}
```

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(167, 253, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 253, 51) }
```

Border

The CSS property to change the border of an element to Yxy 78.7051, 0.3539, 0.5392 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(167, 253, 51) }
```

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

```
.border{ border-color:rgb(167, 253, 51) }
```

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

Here you see how a box with a 4 pixel rgb(167, 253, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 253, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 253, 51);  
box-shadow:4px 4px 4px 4px rgb(167, 253,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7051, 0.3539, 0.5392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 253, 51) }
```

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

```
.background{ background-color: rgb(167,  
253, 51) }
```

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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