

Converting Colors

$Yxy(79.0826, 0.3511, 0.5286)$

Have a look what the booklet for
Yxy(79.0826, 0.3511, 0.5286)
contains.

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Color

Yxy(79.1029, 0.3511, 0.5288)

Conversions

Conversions Part 1

Format	Color
Hex	A9FD44
RGB	169, 253, 68
RGB Percent	66%, 99%, 27%
CMY	0.3375, 0.0078, 0.7334
CMYK	0.33, 0.00, 0.73, 0.01
HSL	87°, 98%, 63%
HSV	87°, 73%, 99%
XYZ	52.5209, 79.1029, 17.9657
YIQ	206.7940, 9.3210, -75.3430

Conversions

Conversions Part 2

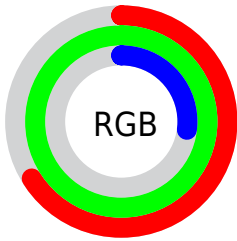
Format	Color
RYB	68, 253, 152
Decimal	11140420
CIELab	91.28, -52.12, 75.27
CIELCh	91, 91.553, 124.699
Yxy	79.1029, 0.3511, 0.5288
Android (android.graphics.Color)	4289330500 (0xFFA9FD44)
YUV	206.7940, -68.4254, -33.1453
Hunter-Lab	88.9398, -50.2366, 50.2814

Details

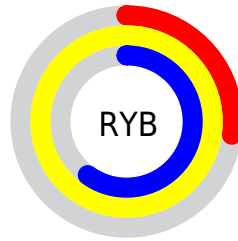
The Yxy color **79.1029, 0.3511, 0.5288** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **17.9068, 0.2254, 0.1232**, and the grayscale version is **62.6946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7103, 0.3683, 0.4595**, and **42.7949, 0.3450, 0.5642** is the 20% darker color. If you saturate the color by 10%, you get **77.6457, 0.3494, 0.5475**, and if you desaturate by 10%, it is **80.8120, 0.3504, 0.5053**.

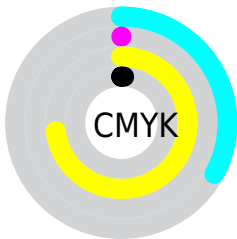
Distribution



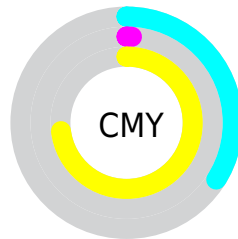
- Red (66%)
- Green (99%)
- Blue (27%)



- Red (27%)
- Yellow (99%)
- Blue (60%)



- Cyan (33%)
- Magenta (0%)
- Yellow (73%)
- Black (1%)





- Cyan (34%)
- Magenta (1%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.1029, 0.3511, 0.5288 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 79.1029, 0.3511, 0.5288 by changing the saturation by 10% instead.

 79.1029, 0.3511,
0.5288

 79.1029, 0.3511,
0.5288


491.9044, 0.3418,
0.4347


 58.9804, 0.3506,
0.5493


 132.1037, 0.3499,
0.4967


 42.5974, 0.3485,
0.5735


 165.7508, 0.3489,
0.4840


 29.5693, 0.3436,
0.6023

 204.6750, 0.3477,
0.4730

 19.5119, 0.3338,
0.6363

 249.2605, 0.3464,
0.4633

 12.0408, 0.3182,
0.6818

 299.8918, 0.3452,
0.4549

 6.7714, 0.2815,
0.7185

356.9533, 0.3440,


 3.3196, 0.2267,


0.4474


0.7733

420.8293, 0.3429,
0.4407


 1.3008, 0.0000,
1.0000


 0.1418, 0.0000,
1.0000


 79.1029, 0.3511,
0.5288


 79.1029, 0.3511,
0.5288


 77.6457, 0.3494,
0.5475


 80.8120, 0.3504,
0.5053


 76.4086, 0.3454,
0.5606

 82.7807, 0.3476,
0.4783

 75.6681, 0.3417,
0.5669


 85.0281, 0.3429,
0.4493

 87.5687, 0.3369,
0.4196

 90.4155, 0.3300,
0.3904

 93.5807, 0.3226,
0.3626

 97.0759, 0.3151,
0.3367

 98.7408, 0.3128,
0.3271

Harmonies

Analogous

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



79.1029, 0.4422, 0.4886



79.1029, 0.3511, 0.5288



79.1029, 0.2554, 0.4855

Triad

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



79.1029, 0.3511, 0.5288



79.1029, 0.1449, 0.1988



79.1029, 0.4540, 0.2783

Complementary

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



79.1029, 0.3511, 0.5288



17.9068, 0.2254, 0.1232

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.



79.1029, 0.3466, 0.2225



79.1029, 0.3511, 0.5288



79.1029, 0.1774, 0.1778

Square

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



79.1029, 0.3511, 0.5288



79.1029, 0.1449, 0.2597



79.1029, 0.2451, 0.1872



79.1029, 0.5157, 0.3451

Rectangle

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



79.1029, 0.3511, 0.5288



79.1029, 0.2017, 0.4102



79.1029, 0.2451, 0.1872



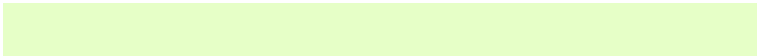
79.1029, 0.4207, 0.2580

Sweetspot

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



79.1064, 0.3511, 0.5288



92.3807, 0.3292, 0.3872



43.5165, 0.4909, 0.4057



19.5962, 0.3311, 0.3950



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.



79.1064, 0.3511, 0.5288



78.3925, 0.3477, 0.5546



72.2656, 0.3046, 0.5608



20.6565, 0.3199, 0.3530



40.3347, 0.3429, 0.5660



3.9922, 0.3511, 0.5595

Inverse Universe

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



17.9068, 0.2254, 0.1232



13.1304, 0.2055, 0.0959



30.4164, 0.3112, 0.1660



17.7819, 0.3050, 0.3049



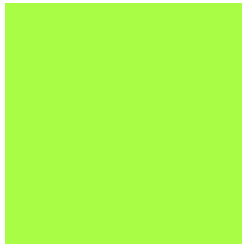
5.7941, 0.1935, 0.0840



0.6281, 0.2060, 0.0909

Previews

White Background



This preview shows how the Yxy color 79.1029, 0.3511, 0.5288 looks on a white background.

Color Contrast Check

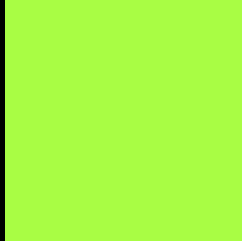
Large Text (above 18pt) WCAG AA × Fail

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 79.1029, 0.3511, 0.5288 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

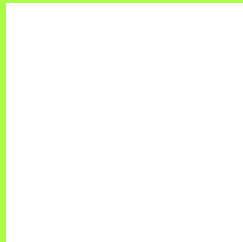
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.1029, 0.3511, 0.5288

Background



This preview shows how black text looks on a background with the Yxy color 79.1029, 0.3511, 0.5288.

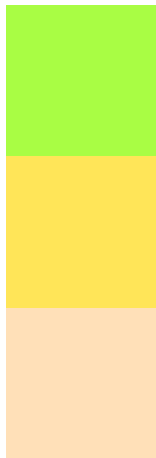


This preview shows how white text looks on a background with the Yxy color 79.1029, 0.3511, 0.5288.

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

79.1029, 0.3511, 0.5288

Protanopia

78.0032, 0.4188, 0.4600

Deuteranopia

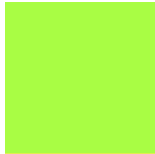
78.0320, 0.3629, 0.3699



Tritanopia

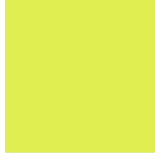
78.5484, 0.2750, 0.3084

Trichromacy



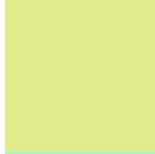
Original Color

79.1029, 0.3511, 0.5288



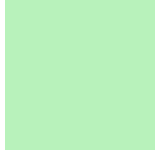
Protanomaly

77.5904, 0.3929, 0.4854



Deuteranomaly

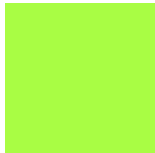
77.2169, 0.3638, 0.4299



Tritanomaly

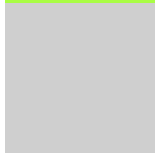
77.2825, 0.3078, 0.3933

Monochromacy



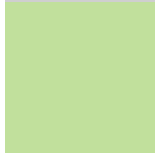
Original Color

79.1029, 0.3511, 0.5288



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

67.0491, 0.3348, 0.4108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.1029, 0.3511, 0.5288 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(169, 253, 68)` looks like.

```
.text, #text, p{  
    color:rgb(169, 253, 68)  
}
```

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(169, 253, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 253, 68) }
```

Border

The CSS property to change the border of an element to Yxy 79.1029, 0.3511, 0.5288 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(169, 253, 68) }
```

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

```
.border{ border-color:rgb(169, 253, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 253, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 253, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 253, 68);  
box-shadow:4px 4px 4px 4px rgb(169, 253,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 79.1029, 0.3511, 0.5288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 253, 68) }
```

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

```
.background{ background-color: rgb(169,  
253, 68) }
```

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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