

Converting Colors

$Y_{xy}(121.5929, 0.3306, 0.5322)$

Have a look what the booklet for
Yxy(121.5929, 0.3306, 0.5322)
contains.

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Color

Yxy(81.4195, 0.3435, 0.5042)

Conversions

Conversions Part 1

Format	Color
Hex	AEFF63
RGB	174, 255, 99
RGB Percent	68%, 100%, 39%
CMY	0.3176, 0.0000, 0.6118
CMYK	0.32, 0.00, 0.61, 0.00
HSL	91°, 100%, 69%
HSV	91°, 61%, 100%
XYZ	55.4693, 81.4195, 24.5938
YIQ	212.9970, 1.8000, -65.6880

Conversions

Conversions Part 2

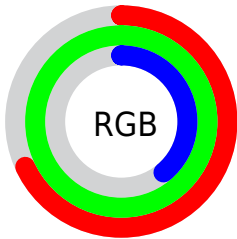
Format	Color
RYB	99, 255, 180
Decimal	11468643
CIELab	92.32, -49.05, 64.95
CIELCh	92, 81.394, 127.058
Yxy	81.4195, 0.3435, 0.5042
Android (android.graphics.Color)	4289658723 (0xFFAEFF63)
YUV	212.9970, -56.2005, -34.2004
Hunter-Lab	90.2328, -48.1771, 47.0029

Details

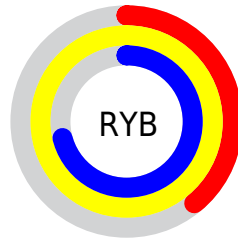
The Yxy color **81.4195, 0.3435, 0.5042** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **25.8438, 0.2511, 0.1570**, and the grayscale version is **66.9213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2102, 0.3565, 0.4320**, and **44.2544, 0.3425, 0.5455** is the 20% darker color. If you saturate the color by 10%, you get **79.5612, 0.3437, 0.5296**, and if you desaturate by 10%, it is **83.5841, 0.3413, 0.4755**.

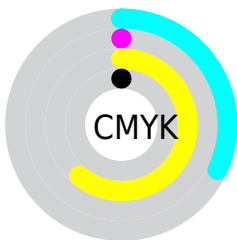
Distribution



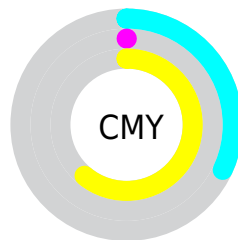
- Red (68%)
- Green (100%)
- Blue (39%)



- Red (39%)
- Yellow (100%)
- Blue (71%)



- Cyan (32%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4195, 0.3435, 0.5042 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 81.4195, 0.3435, 0.5042 by changing the saturation by 10% instead.


 81.4195, 0.3435,
0.5042

 81.4195, 0.3435,
0.5042

499.7039, 0.3352,
0.4211

 60.8872, 0.3436,
0.5228


 135.3596, 0.3420,
0.4755


 44.1341, 0.3427,
0.5453

 169.5362, 0.3410,
0.4642

 30.7760, 0.3400,
0.5729


 209.0297, 0.3400,
0.4545

 20.4283, 0.3338,
0.6066

 254.2244, 0.3390,
0.4461

 12.7068, 0.3219,
0.6495

305.5048, 0.3380,
0.4387

 7.2269, 0.2981,
0.7019


363.2552, 0.3370,


 3.6044, 0.2483,


0.4321


0.7517


427.8601, 0.3361,
0.4263


 1.4548, 0.0636,
0.9364


 0.2566, 0.0000,
1.0000


 81.4195, 0.3435,
0.5042

 81.4195, 0.3435,
0.5042


 79.5612, 0.3437,
0.5296


 83.5841, 0.3413,
0.4755


 77.9861, 0.3417,
0.5503

 86.0685, 0.3374,
0.4452


 76.6727, 0.3376,
0.5653

 88.8895, 0.3322,
0.4148

 75.7030, 0.3327,
0.5740

 92.0618, 0.3263,
0.3853

 95.5988, 0.3200,
0.3575

 99.5132, 0.3135,
0.3319

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.



81.4195, 0.4262, 0.4785



81.4195, 0.3435, 0.5042



81.4195, 0.2573, 0.4576

Triad

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



81.4195, 0.3435, 0.5042



81.4195, 0.1615, 0.2098



81.4195, 0.4437, 0.2893

Complementary

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



81.4195, 0.3435, 0.5042



25.8438, 0.2511, 0.1570

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.



81.4195, 0.3513, 0.2365



81.4195, 0.3435, 0.5042



81.4195, 0.1943, 0.1918

Square

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



81.4195, 0.3435, 0.5042



81.4195, 0.1597, 0.2633



81.4195, 0.2592, 0.2021



81.4195, 0.4944, 0.3519

Rectangle

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



81.4195, 0.3435, 0.5042



81.4195, 0.2097, 0.3917



81.4195, 0.2592, 0.2021



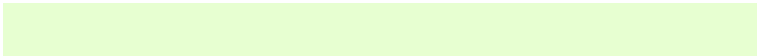
81.4195, 0.4156, 0.2701

Sweetspot

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



81.4208, 0.3435, 0.5042



93.1459, 0.3243, 0.3762



54.6409, 0.4472, 0.4091



19.7243, 0.3261, 0.3845



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.



81.4208, 0.3435, 0.5042



79.2538, 0.3435, 0.5338



75.1236, 0.3025, 0.5250



20.5966, 0.3189, 0.3531



39.6443, 0.3339, 0.5731



3.9246, 0.3425, 0.5662

Inverse Universe

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



25.8438, 0.2511, 0.1570



19.5095, 0.2358, 0.1285



37.2363, 0.3217, 0.1892



17.8416, 0.3061, 0.3050



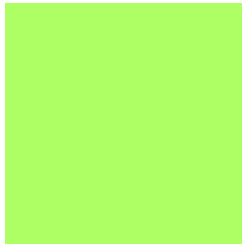
6.4413, 0.2059, 0.0908



0.6922, 0.2179, 0.0974

Previews

White Background



This preview shows how the Yxy color 81.4195, 0.3435, 0.5042 looks on a white background.

Color Contrast Check

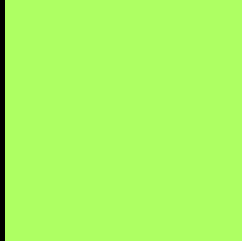
Large Text (above 18pt) WCAG AA × Fail

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 81.4195, 0.3435, 0.5042 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 81.4195, 0.3435, 0.5042

Background



This preview shows how black text looks on a background with the Yxy color 81.4195, 0.3435, 0.5042.

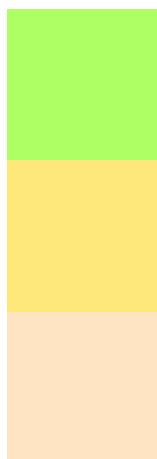


This preview shows how white text looks on a background with the Yxy color 81.4195, 0.3435, 0.5042.

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

81.4195, 0.3435, 0.5042

Protanopia

80.4033, 0.3994, 0.4359

Deuteranopia

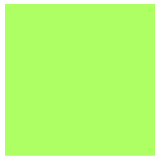
80.6869, 0.3542, 0.3625



Tritanopia

80.7866, 0.2798, 0.3109

Trichromacy



Original Color

81.4195, 0.3435, 0.5042



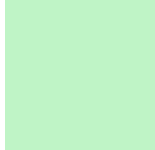
Protanomaly

79.7038, 0.3787, 0.4604



Deuteranomaly

79.8559, 0.3534, 0.4133



Tritanomaly

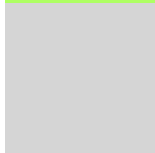
79.8550, 0.3059, 0.3814

Monochromacy



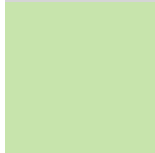
Original Color

81.4195, 0.3435, 0.5042



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.6075, 0.3283, 0.3946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4195, 0.3435, 0.5042 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(174, 255, 99)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 99)  
}
```

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(174, 255, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 99) }
```

Border

The CSS property to change the border of an element to Yxy 81.4195, 0.3435, 0.5042 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(174, 255, 99) }
```

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

```
.border{ border-color:rgb(174, 255, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 255, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4195, 0.3435, 0.5042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 99) }
```

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

```
.background{ background-color: rgb(174,  
255, 99) }
```

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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