

Converting Colors

$Y_{xy}(61.8725, 0.3500, 0.5071)$

Have a look what the booklet for
Yxy(61.8725, 0.3500, 0.5071)
contains.

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Color

Yxy(61.8154, 0.3501, 0.5067)

Conversions

Conversions Part 1

Format	Color
Hex	9FE151
RGB	159, 225, 81
RGB Percent	62%, 88%, 32%
CMY	0.3764, 0.1176, 0.6822
CMYK	0.29, 0.00, 0.64, 0.12
HSL	88°, 71%, 60%
HSV	88°, 64%, 88%
XYZ	42.7108, 61.8154, 17.4698
YIQ	188.8500, 6.8880, -58.7760

Conversions

Conversions Part 2

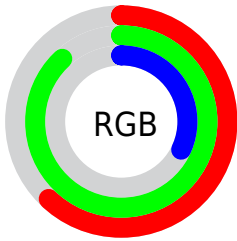
Format	Color
R_{YB}	81, 225, 147
Decimal	10477905
CIE _{Lab}	82.82, -42.95, 61.69
CIE _{LCh}	83, 75.173, 124.847
Y _{xy}	61.8154, 0.3501, 0.5067
Android (android.graphics.Color)	4288667985 (0xFF9FE151)
YUV	188.8500, -53.1700, -26.1784
Hunter-Lab	78.6228, -40.6220, 41.8618

Details

The Yxy color **61.8154, 0.3501, 0.5067** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **17.5304, 0.2397, 0.1470**, and the grayscale version is **51.1096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0493, 0.3556, 0.4550**, and **31.2412, 0.3497, 0.5527** is the 20% darker color. If you saturate the color by 10%, you get **60.5236, 0.3506, 0.5299**, and if you desaturate by 10%, it is **63.3124, 0.3474, 0.4799**.

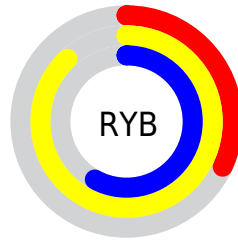
Distribution



Red (62%)

Green (88%)

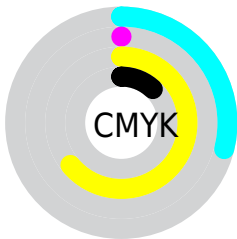
Blue (32%)



Red (32%)

Yellow (88%)

Blue (58%)

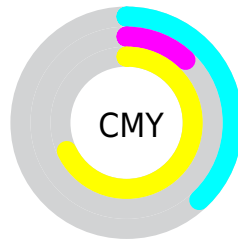


Cyan (29%)

Magenta (0%)

Yellow (64%)

Black (12%)



Cyan (38%)


Magenta (12%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8154, 0.3501, 0.5067 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 61.8154, 0.3501, 0.5067 by changing the saturation by 10% instead.


 61.8154, 0.3501,
0.5067


 61.8154, 0.3501,
0.5067

431.2574, 0.3383,
0.4189

 44.8836, 0.3506,
0.5272


 107.4587, 0.3476,
0.4756


 31.3657, 0.3499,
0.5522


 136.9389, 0.3461,
0.4637

 20.8775, 0.3466,
0.5831


 171.3707, 0.3447,
0.4534

 13.0345, 0.3383,
0.6213

 211.1385, 0.3433,
0.4446

 7.4523, 0.3239,
0.6761

 256.6267, 0.3419,
0.4369

 3.7465, 0.2807,
0.7193

308.2196, 0.3406,

 1.5328, 0.1636,

0.4302

0.8364

366.3017, 0.3394,
0.4242

■ 0.3117, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.8154, 0.3501,
0.5067

■ 61.8154, 0.3501,
0.5067

■ 60.5236, 0.3506,
0.5299

■ 63.3124, 0.3474,
0.4799

■ 59.4152, 0.3488,
0.5484


■ 65.0185, 0.3429,
0.4511

■ 58.4767, 0.3447,
0.5613


■ 66.9472, 0.3371,
0.4215


■ 57.9797, 0.3416,
0.5670


■ 69.1086, 0.3303,
0.3925

 71.5119, 0.3231,
0.3647

 74.1658, 0.3157,
0.3388

 77.0785, 0.3083,
0.3149

 79.8633, 0.3049,
0.2991

 81.7351, 0.3119,
0.2997

Harmonies

Analogous

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



61.8154, 0.4326, 0.4762



61.8154, 0.3501, 0.5067



61.8154, 0.2625, 0.4656

Triad

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



61.8154, 0.3501, 0.5067



61.8154, 0.1588, 0.2111



61.8154, 0.4394, 0.2843

Complementary

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



61.8154, 0.3501, 0.5067



17.5304, 0.2397, 0.1470

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.



61.8154, 0.3443, 0.2322



61.8154, 0.3501, 0.5067



61.8154, 0.1895, 0.1907

Square

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



61.8154, 0.3501, 0.5067



61.8154, 0.1593, 0.2680



61.8154, 0.2526, 0.1992



61.8154, 0.4949, 0.3470

Rectangle

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



61.8154, 0.3501, 0.5067



61.8154, 0.2132, 0.4005



61.8154, 0.2526, 0.1992



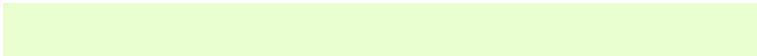
61.8154, 0.4100, 0.2654

Sweetspot

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



61.8181, 0.3501, 0.5067



93.2918, 0.3268, 0.3788



37.1037, 0.4621, 0.4007



19.7747, 0.3289, 0.3868



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.



61.8181, 0.3501, 0.5067



79.8316, 0.3502, 0.5371



56.5319, 0.3063, 0.5334



15.7011, 0.3197, 0.3527



33.4802, 0.3427, 0.5661



2.3737, 0.3539, 0.5572

Inverse Universe

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



17.5304, 0.2397, 0.1470



16.6686, 0.2206, 0.1152



26.2006, 0.3120, 0.1801



13.5495, 0.3052, 0.3053



4.8664, 0.1948, 0.0847



0.3901, 0.2120, 0.0942

Previews

White Background



This preview shows how the Yxy color 61.8154, 0.3501, 0.5067 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 61.8154, 0.3501, 0.5067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

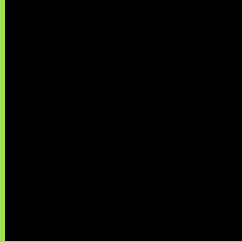
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.8154, 0.3501, 0.5067

Background



This preview shows how black text looks on a background with the Yxy color 61.8154, 0.3501, 0.5067.



This preview shows how white text looks on a background with the Yxy color 61.8154, 0.3501, 0.5067.

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

61.8154, 0.3501, 0.5067

Protanopia

61.3224, 0.4195, 0.4619

Deuteranopia

60.8392, 0.4407, 0.4308



Tritanopia

61.7183, 0.2800, 0.3100

Trichromacy



Original Color

61.8154, 0.3501, 0.5067



Protanomaly

60.9759, 0.3931, 0.4787



Deuteranomaly

59.8908, 0.4056, 0.4583



Tritanomaly

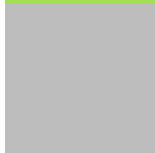
60.9384, 0.3088, 0.3824

Monochromacy



Original Color

61.8154, 0.3501, 0.5067



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

53.9080, 0.3313, 0.3970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8154, 0.3501, 0.5067 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(159, 225, 81)` looks like.

```
.text, #text, p{  
    color:rgb(159, 225, 81)  
}
```

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(159, 225, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 225, 81) }
```

Border

The CSS property to change the border of an element to Yxy 61.8154, 0.3501, 0.5067 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(159, 225, 81) }
```

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

```
.border{ border-color:rgb(159, 225, 81) }
```

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

Here you see how a box with a 4 pixel rgb(159, 225, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 225, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 225, 81);  
box-shadow:4px 4px 4px 4px rgb(159, 225,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8154, 0.3501, 0.5067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 225, 81) }
```

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

```
.background{ background-color: rgb(159,  
225, 81) }
```

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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