

Converting Colors

$Y_{xy}(62.5000, 0.3709, 0.5437)$

Have a look what the booklet for
Yxy(62.5000, 0.3709, 0.5437)
contains.

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Color

Yxy(62.2852, 0.3710, 0.5436)

Conversions

Conversions Part 1

Format	Color
Hex	A4E200
RGB	164, 226, 0
RGB Percent	64%, 89%, 0%
CMY	0.3568, 0.1137, 0.9994
CMYK	0.27, 0.00, 1.00, 0.11
HSL	76°, 100%, 44%
HSV	76°, 100%, 89%
XYZ	42.5088, 62.2852, 9.7851
YIQ	181.6980, 35.5940, -83.4300

Conversions

Conversions Part 2

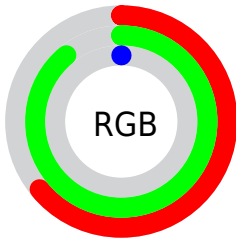
Format	Color
RYB	0, 226, 62
Decimal	10805760
CIELab	83.06, -44.63, 81.22
CIELCh	83, 92.674, 118.791
Yxy	62.2852, 0.3710, 0.5436
Android (android.graphics.Color)	4288995840 (0xFFA4E200)
YUV	181.6980, -89.5771, -15.5211
Hunter-Lab	78.9210, -41.9671, 47.8936

Details

The Yxy color **62.2852, 0.3710, 0.5436** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **6.5226, 0.1662, 0.0689**, and the grayscale version is **47.1003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0719, 0.3814, 0.4921**, and **31.7527, 0.3543, 0.5569** is the 20% darker color. If you saturate the color by 10%, you get **62.2835, 0.3710, 0.5436**, and if you desaturate by 10%, it is **63.0247, 0.3738, 0.5357**.

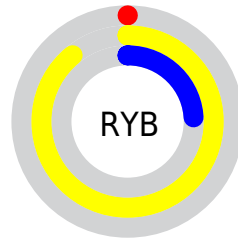
Distribution



Red (64%)

Green (89%)

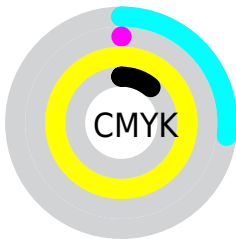
Blue (0%)



Red (0%)

Yellow (89%)

Blue (24%)

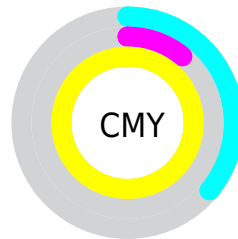


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (36%)


Magenta (11%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.2852, 0.3710, 0.5436 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 62.2852, 0.3710, 0.5436 by changing the saturation by 10% instead.


 62.2852, 0.3710,
0.5436

 62.2852, 0.3710,
0.5436


432.9706, 0.3546,
0.4418

 45.2632, 0.3707,
0.5650

 108.1376, 0.3684,
0.5092


 31.6648, 0.3679,
0.5897


 137.7368, 0.3664,
0.4954

 21.1056, 0.3609,
0.6181


 172.2972, 0.3643,
0.4835

 13.2012, 0.3477,
0.6523

 212.2031, 0.3622,
0.4730

 7.5672, 0.3182,
0.6818

 257.8391, 0.3602,
0.4637

 3.8193, 0.2739,
0.7261

 309.5894, 0.3582,

 1.5730, 0.1535,

0.4556

0.8465

367.8384, 0.3564,
0.4483

■ 0.3393, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.2852, 0.3710,
0.5436

■ 62.2852, 0.3710,
0.5436

■ 62.2835, 0.3710,
0.5436

■ 63.0247, 0.3738,
0.5357

■ 63.8649, 0.3745,
0.5236

■ 64.8313, 0.3726,
0.5066

■ 65.9376, 0.3682,
0.4854

67.1950, 0.3616,
0.4610

68.6135, 0.3532,
0.4346

70.2021, 0.3437,
0.4072

71.9690, 0.3335,
0.3800

73.9220, 0.3230,
0.3537

Harmonies

Analogous

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



62.2852, 0.4660, 0.4836



62.2852, 0.3710, 0.5436



62.2852, 0.2677, 0.5214

Triad

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



62.2852, 0.3710, 0.5436



62.2852, 0.1308, 0.1968



62.2852, 0.4462, 0.2604

Complementary

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



62.2852, 0.3710, 0.5436



6.5226, 0.1662, 0.0689

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.



62.2852, 0.3250, 0.2052



62.2852, 0.3710, 0.5436



62.2852, 0.1580, 0.1685

Square

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



62.2852, 0.3710, 0.5436



62.2852, 0.1368, 0.2710



62.2852, 0.2216, 0.1731



62.2852, 0.5269, 0.3288

Rectangle

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



62.2852, 0.3710, 0.5436



62.2852, 0.2067, 0.4459



62.2852, 0.2216, 0.1731



62.2852, 0.4070, 0.2400

Sweetspot

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



62.2880, 0.3710, 0.5436



92.2476, 0.3440, 0.4080



19.4403, 0.6060, 0.3570



19.5496, 0.3481, 0.4196



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.



62.2880, 0.3710, 0.5436



81.8360, 0.3707, 0.5439



55.1467, 0.3083, 0.5933



15.8306, 0.3225, 0.3525



35.5939, 0.3717, 0.5430



2.5109, 0.3793, 0.5370

Inverse Universe

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



6.5226, 0.1662, 0.0689



8.5216, 0.1656, 0.0686



14.4129, 0.2618, 0.1216



13.4244, 0.3023, 0.3051



3.7681, 0.1675, 0.0696



0.3050, 0.1836, 0.0785

Previews

White Background



This preview shows how the Yxy color 62.2852, 0.3710, 0.5436 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 62.2852, 0.3710, 0.5436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

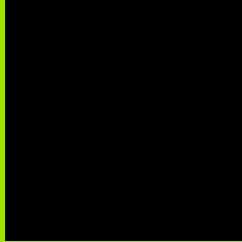
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.2852, 0.3710, 0.5436

Background



This preview shows how black text looks on a background with the Yxy color 62.2852, 0.3710, 0.5436.



This preview shows how white text looks on a background with the Yxy color 62.2852, 0.3710, 0.5436.

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

62.2852, 0.3710, 0.5436

Protanopia

61.9493, 0.4407, 0.4883

Deuteranopia

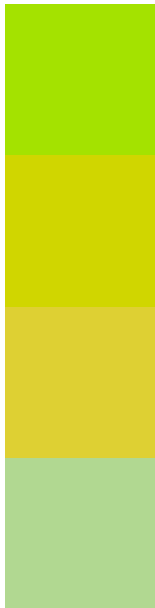
61.7717, 0.4455, 0.4392



Tritanopia

61.9535, 0.2839, 0.3090

Trichromacy



Original Color

62.2852, 0.3710, 0.5436

Protanomaly

61.5030, 0.4144, 0.5092

Deuteranomaly

60.8804, 0.4221, 0.4823

Tritanomaly

60.5032, 0.3314, 0.4194

Monochromacy



Original Color

62.2852, 0.3710, 0.5436

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

50.7631, 0.3538, 0.4378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.2852, 0.3710, 0.5436 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(164, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 226, 0)  
}
```

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(164, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 226, 0) }
```

Border

The CSS property to change the border of an element to Yxy 62.2852, 0.3710, 0.5436 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(164, 226, 0) }
```

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

```
.border{ border-color:rgb(164, 226, 0) }
```

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

Here you see how a box with a 4 pixel rgb(164, 226, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 226,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 62.2852, 0.3710, 0.5436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 226, 0) }
```

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

```
.background{ background-color: rgb(164,  
226, 0) }
```

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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