

Converting Colors

$Yxy(63.1747, 0.3839, 0.5334)$

Have a look what the booklet for
Yxy(63.1747, 0.3839, 0.5334)
contains.

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Color

Yxy(62.8950, 0.3838, 0.5335)

Conversions

Conversions Part 1

Format	Color
Hex	B3E000
RGB	179, 224, 0
RGB Percent	70%, 88%, 0%
CMY	0.2980, 0.1216, 1.0000
CMYK	0.20, 0.00, 1.00, 0.12
HSL	72°, 100%, 44%
HSV	72°, 100%, 88%
XYZ	45.2467, 62.8950, 9.7496
YIQ	185.0090, 45.0840, -79.2040

Conversions

Conversions Part 2

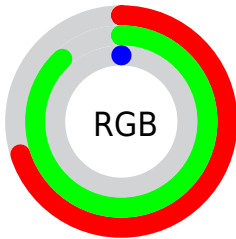
Format	Color
RYB	0, 224, 45
Decimal	11788288
CIELab	83.39, -37.98, 81.88
CIELCh	83, 90.263, 114.886
Yxy	62.8950, 0.3838, 0.5335
Android (android.graphics.Color)	4289978368 (0xFFB3E000)
YUV	185.0090, -91.2094, -5.2699
Hunter-Lab	79.3064, -36.9465, 48.2256

Details

The Yxy color **62.8950, 0.3838, 0.5335** 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 **5.9398, 0.1591, 0.0650**, and the grayscale version is **49.0225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5753, 0.3919, 0.4855**, and **32.4409, 0.3703, 0.5442** is the 20% darker color. If you saturate the color by 10%, you get **62.8982, 0.3838, 0.5335**, and if you desaturate by 10%, it is **63.5027, 0.3854, 0.5268**.

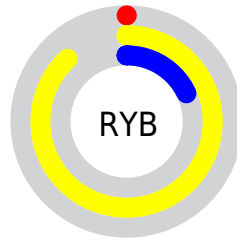
Distribution



Red (70%)

Green (88%)

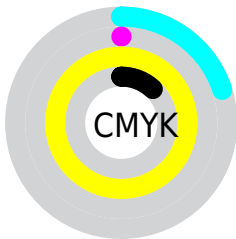
Blue (0%)



Red (0%)

Yellow (88%)

Blue (18%)

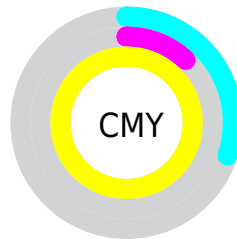


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (12%)



Cyan (30%)


Magenta (12%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8950, 0.3838, 0.5335 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 62.8950, 0.3838, 0.5335 by changing the saturation by 10% instead.


 62.8950, 0.3838,
0.5335


 62.8950, 0.3838,
0.5335


435.1883, 0.3611,
0.4382

 45.7563, 0.3850,
0.5530


 109.0180, 0.3789,
0.5018

 32.0535, 0.3841,
0.5752


 138.7711, 0.3761,
0.4889


 21.4024, 0.3797,
0.6004


 173.4977, 0.3733,
0.4777

 13.4185, 0.3699,
0.6301

 213.5823, 0.3705,
0.4678

 7.7173, 0.3452,
0.6548

 259.4093, 0.3679,
0.4591

 3.9146, 0.3078,
0.6922

 311.3630, 0.3655,

 1.6259, 0.2284,

0.4514

0.7716

369.8279, 0.3632,
0.4445

■ 0.3750, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.8950, 0.3838,
0.5335

■ 62.8950, 0.3838,
0.5335

■ 62.8982, 0.3838,
0.5335

■ 63.5027, 0.3854,
0.5268

■ 64.1938, 0.3848,
0.5161

■ 64.9940, 0.3816,
0.5007

■ 65.9161, 0.3759,
0.4811

■ 66.9712, 0.3680,
0.4581

■ 68.1687, 0.3584,
0.4328

■ 69.5171, 0.3475,
0.4064

■ 71.0243, 0.3360,
0.3798

■ 72.6975, 0.3243,
0.3538

Harmonies

Analogous

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



62.8950, 0.4736, 0.4713



62.8950, 0.3838, 0.5335



62.8950, 0.2825, 0.5242

Triad

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



62.8950, 0.3838, 0.5335



62.8950, 0.1334, 0.2068



62.8950, 0.4280, 0.2543

Complementary

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



62.8950, 0.3838, 0.5335



5.9398, 0.1591, 0.0650

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.



62.8950, 0.3100, 0.2024



62.8950, 0.3838, 0.5335



62.8950, 0.1560, 0.1737

Square

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



62.8950, 0.3838, 0.5335



62.8950, 0.1442, 0.2867



62.8950, 0.2136, 0.1742



62.8950, 0.5149, 0.3205

Rectangle

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



62.8950, 0.3838, 0.5335



62.8950, 0.2204, 0.4588



62.8950, 0.2136, 0.1742



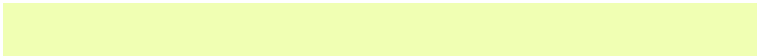
62.8950, 0.3890, 0.2348

Sweetspot

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



62.8982, 0.3838, 0.5335



93.2156, 0.3478, 0.4070



17.7096, 0.6194, 0.3464



19.7825, 0.3525, 0.4183



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.



62.8982, 0.3838, 0.5335



84.3260, 0.3835, 0.5337



54.5140, 0.3134, 0.5894



15.8833, 0.3236, 0.3524



36.6593, 0.3843, 0.5330



2.5767, 0.3900, 0.5285

Inverse Universe

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



5.9398, 0.1591, 0.0650



7.9296, 0.1586, 0.0647



12.5303, 0.2454, 0.1125



13.3752, 0.3012, 0.3050



3.4960, 0.1601, 0.0656



0.2799, 0.1745, 0.0735

Previews

White Background



This preview shows how the Yxy color 62.8950, 0.3838, 0.5335 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 62.8950, 0.3838, 0.5335 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 62.8950, 0.3838, 0.5335

Background



This preview shows how black text looks on a background with the Yxy color 62.8950, 0.3838, 0.5335.



This preview shows how white text looks on a background with the Yxy color 62.8950, 0.3838, 0.5335.

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

62.8950, 0.3838, 0.5335

Protanopia

62.6042, 0.4406, 0.4883

Deuteranopia

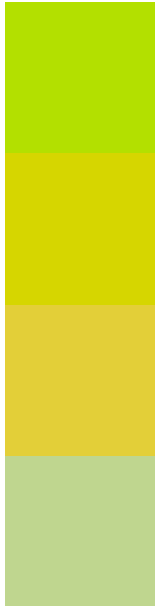
62.3527, 0.4404, 0.4346



Tritanopia

62.5538, 0.2940, 0.3094

Trichromacy



Original Color

62.8950, 0.3838, 0.5335

Protanomaly

62.3893, 0.4193, 0.5053

Deuteranomaly

61.2421, 0.4253, 0.4761

Tritanomaly

61.1527, 0.3440, 0.4167

Monochromacy



Original Color

62.8950, 0.3838, 0.5335

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

52.2221, 0.3590, 0.4338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8950, 0.3838, 0.5335 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(179, 224, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 224, 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(179, 224, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 224, 0) }
```

Border

The CSS property to change the border of an element to Yxy 62.8950, 0.3838, 0.5335 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(179, 224, 0) }
```

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

```
.border{ border-color:rgb(179, 224, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 224, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 224, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 224, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 224,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8950, 0.3838, 0.5335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 224, 0) }
```

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

```
.background{ background-color: rgb(179,  
224, 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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