

Converting Colors

$Y_{xy}(50.8832, 0.3832, 0.5339)$

Have a look what the booklet for
Yxy(50.8832, 0.3832, 0.5339)
contains.

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Color

Yxy(50.8671, 0.3831, 0.5340)

Conversions

Conversions Part 1

Format	Color
Hex	A2CC00
RGB	162, 204, 0
RGB Percent	64%, 80%, 0%
CMY	0.3647, 0.2000, 0.9997
CMYK	0.21, 0.00, 1.00, 0.20
HSL	72°, 100%, 40%
HSV	72°, 100%, 80%
XYZ	36.4929, 50.8671, 7.8968
YIQ	168.1860, 40.4520, -72.3480

Conversions

Conversions Part 2

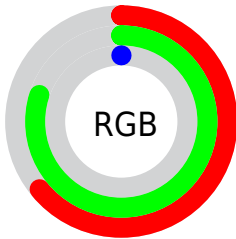
Format	Color
RYB	0, 204, 42
Decimal	10669056
CIELab	76.60, -35.72, 76.25
CIELCh	77, 84.201, 115.105
Yxy	50.8671, 0.3831, 0.5340
Android (android.graphics.Color)	4288859136 (0xFFA2CC00)
YUV	168.1860, -82.9157, -5.4251
Hunter-Lab	71.3212, -33.4791, 43.3601

Details

The Yxy color **50.8671, 0.3831, 0.5340** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **4.8561, 0.1599, 0.0655**, and the grayscale version is **39.6607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5322, 0.3807, 0.4961**, and **24.8160, 0.3681, 0.5459** is the 20% darker color. If you saturate the color by 10%, you get **50.8673, 0.3831, 0.5340**, and if you desaturate by 10%, it is **51.3690, 0.3846, 0.5269**.

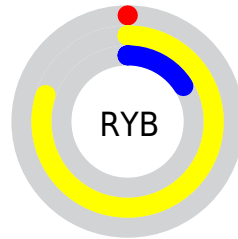
Distribution



Red (64%)

Green (80%)

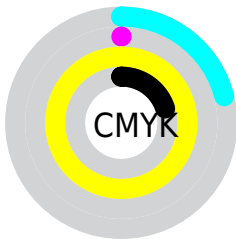
Blue (0%)



Red (0%)

Yellow (80%)

Blue (16%)

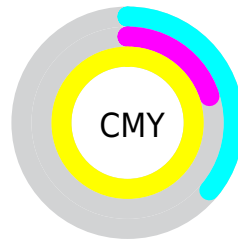


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (36%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8671, 0.3831, 0.5340 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 50.8671, 0.3831, 0.5340 by changing the saturation by 10% instead.


 50.8671, 0.3831,
0.5340

 50.8671, 0.3831,
0.5340


390.0472, 0.3594,
0.4347

 36.1029, 0.3842,
0.5552


 91.4583, 0.3779,
0.5001

 24.5136, 0.3829,
0.5795


 118.0540, 0.3749,
0.4866

 15.7151, 0.3787,
0.6102


 149.3624, 0.3720,
0.4749

 9.3228, 0.3623,
0.6377

 185.7677, 0.3691,
0.4648

 4.9523, 0.3318,
0.6682

 227.6545, 0.3664,
0.4558

 2.2193, 0.2827,
0.7173

 275.4071, 0.3639,

 0.7305, 0.0000,

0.4479

1.0000

329.4099, 0.3616,
0.4409

■ 0.0000, 0.0000,
0.0000

■ 50.8671, 0.3831,
0.5340

■ 50.8671, 0.3831,
0.5340

■ 50.8673, 0.3831,
0.5340

■ 51.3690, 0.3846,
0.5269

■ 51.9384, 0.3840,
0.5159

■ 52.5965, 0.3808,
0.5003

■ 53.3535, 0.3751,
0.4805

■ 54.2178, 0.3673,
0.4575

■ 55.1972, 0.3577,
0.4322

■ 56.2984, 0.3470,
0.4059

■ 57.5277, 0.3357,
0.3794

■ 58.8908, 0.3241,
0.3535

Harmonies

Analogous

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



50.8671, 0.4732, 0.4719



50.8671, 0.3831, 0.5340



50.8671, 0.2817, 0.5240

Triad

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



50.8671, 0.3831, 0.5340



50.8671, 0.1333, 0.2063



50.8671, 0.4290, 0.2546

Complementary

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



50.8671, 0.3831, 0.5340



4.8561, 0.1599, 0.0655

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.



50.8671, 0.3108, 0.2026



50.8671, 0.3831, 0.5340



50.8671, 0.1561, 0.1735

Square

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



50.8671, 0.3831, 0.5340



50.8671, 0.1438, 0.2858



50.8671, 0.2141, 0.1742



50.8671, 0.5155, 0.3210

Rectangle

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



50.8671, 0.3831, 0.5340



50.8671, 0.2197, 0.4581



50.8671, 0.2141, 0.1742



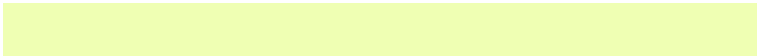
50.8671, 0.3899, 0.2351

Sweetspot

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



50.8694, 0.3831, 0.5340



93.1470, 0.3475, 0.4070



14.4153, 0.6185, 0.3470



19.7660, 0.3522, 0.4184



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.



50.8694, 0.3831, 0.5340



84.1417, 0.3826, 0.5344



44.1889, 0.3137, 0.5891



12.9755, 0.3234, 0.3521



32.0552, 0.3836, 0.5336



1.6839, 0.3910, 0.5278

Inverse Universe

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



4.8561, 0.1599, 0.0655



7.9643, 0.1590, 0.0650



10.1863, 0.2458, 0.1128



10.9535, 0.3014, 0.3053



3.0866, 0.1609, 0.0660



0.1924, 0.1801, 0.0766

Previews

White Background



This preview shows how the Yxy color 50.8671, 0.3831, 0.5340 looks on a white background.

Color Contrast Check

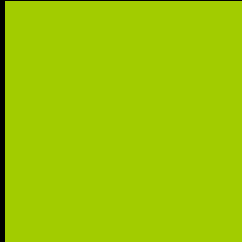
Large Text (above 18pt) WCAG AA × Fail

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 50.8671, 0.3831, 0.5340 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 50.8671, 0.3831, 0.5340

Background



This preview shows how black text looks on a background with the Yxy color 50.8671, 0.3831, 0.5340.



This preview shows how white text looks on a background with the Yxy color 50.8671, 0.3831, 0.5340.

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

50.8671, 0.3831, 0.5340

Protanopia

50.5413, 0.4408, 0.4882

Deuteranopia

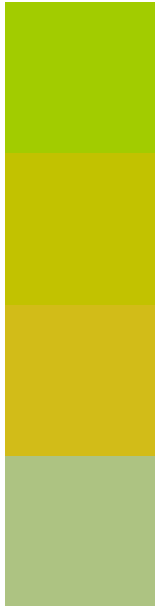
50.5509, 0.4657, 0.4552



Tritanopia

50.8184, 0.2930, 0.3101

Trichromacy



Original Color

50.8671, 0.3831, 0.5340

Protanomaly

50.0529, 0.4193, 0.5053

Deuteranomaly

49.7340, 0.4361, 0.4849

Tritanomaly

49.5262, 0.3432, 0.4168

Monochromacy



Original Color

50.8671, 0.3831, 0.5340

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

42.2163, 0.3586, 0.4337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8671, 0.3831, 0.5340 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(162, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 204, 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(162, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 50.8671, 0.3831, 0.5340 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(162, 204, 0) }
```

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

```
.border{ border-color:rgb(162, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8671, 0.3831, 0.5340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 204, 0) }
```

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

```
.background{ background-color: rgb(162,  
204, 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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