

Converting Colors

$Yxy(48.9259, 0.3786, 0.5376)$

Have a look what the booklet for
Yxy(48.9259, 0.3786, 0.5376)
contains.

Yxy(48.7419, 0.3791, 0.5372)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(48.7419, 0.3791, 0.5372)

Conversions

Conversions Part 1

Format	Color
Hex	9BC900
RGB	155, 201, 0
RGB Percent	61%, 79%, 0%
CMY	0.3924, 0.2117, 1.0000
CMYK	0.23, 0.00, 1.00, 0.21
HSL	74°, 100%, 39%
HSV	74°, 100%, 79%
XYZ	34.3970, 48.7419, 7.5944
YIQ	164.3320, 37.1050, -72.2630

Conversions

Conversions Part 2

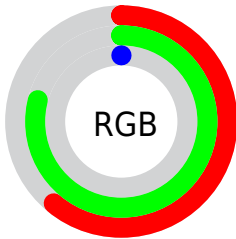
Format	Color
RYB	0, 201, 46
Decimal	10209536
CIELab	75.29, -37.18, 75.07
CIELCh	75, 83.774, 116.348
Yxy	48.7419, 0.3791, 0.5372
Android (android.graphics.Color)	4288399616 (0xFF9BC900)
YUV	164.3320, -81.0157, -8.1842
Hunter-Lab	69.8154, -34.2327, 42.4213

Details

The Yxy color **48.7419, 0.3791, 0.5372** 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 **4.8002, 0.1620, 0.0666**, and the grayscale version is **37.6686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4407, 0.3762, 0.4998**, and **23.4641, 0.3627, 0.5502** is the 20% darker color. If you saturate the color by 10%, you get **48.7441, 0.3791, 0.5372**, and if you desaturate by 10%, it is **49.2593, 0.3810, 0.5297**.

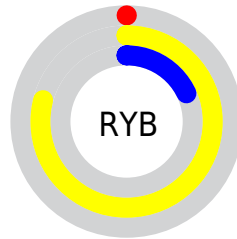
Distribution



Red (61%)

Green (79%)

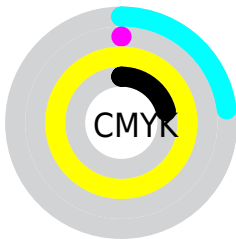
Blue (0%)



Red (0%)

Yellow (79%)

Blue (18%)

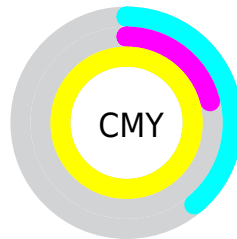


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (39%)


Magenta (21%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7419, 0.3791, 0.5372 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 48.7419, 0.3791, 0.5372 by changing the saturation by 10% instead.


 48.7419, 0.3791,
0.5372


 48.7419, 0.3791,
0.5372

381.7254, 0.3572,
0.4350


 34.4148, 0.3797,
0.5593


 88.3080, 0.3746,
0.5021

 23.2124, 0.3776,
0.5849


 114.3158, 0.3719,
0.4881

 14.7504, 0.3728,
0.6183


 144.9859, 0.3691,
0.4761

 8.6444, 0.3536,
0.6464

 180.7027, 0.3664,
0.4657

 4.5100, 0.3200,
0.6800

 221.8507, 0.3639,
0.4566

 1.9627, 0.2632,
0.7368

 268.8142, 0.3615,

 0.5857, 0.0000,

0.4485

1.0000

321.9776, 0.3593,
0.4414

■ 0.0000, 0.0000,
0.0000

■ 48.7419, 0.3791,
0.5372

■ 48.7419, 0.3791,
0.5372

■ 48.7441, 0.3791,
0.5372

■ 49.2593, 0.3810,
0.5297

■ 49.8450, 0.3807,
0.5182

■ 50.5195, 0.3780,
0.5021

■ 51.2929, 0.3727,
0.4819

■ 52.1734, 0.3653,
0.4584

■ 53.1684, 0.3561,
0.4328

■ 54.2845, 0.3459,
0.4062

■ 55.5278, 0.3349,
0.3796

■ 56.9039, 0.3238,
0.3536

Harmonies

Analogous

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



48.7419, 0.4708, 0.4758



48.7419, 0.3791, 0.5372



48.7419, 0.2770, 0.5233

Triad

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



48.7419, 0.3791, 0.5372



48.7419, 0.1324, 0.2031



48.7419, 0.4347, 0.2566

Complementary

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



48.7419, 0.3791, 0.5372



4.8002, 0.1620, 0.0666

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.



48.7419, 0.3155, 0.2035



48.7419, 0.3791, 0.5372



48.7419, 0.1567, 0.1718

Square

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



48.7419, 0.3791, 0.5372



48.7419, 0.1414, 0.2808



48.7419, 0.2166, 0.1738



48.7419, 0.5194, 0.3236

Rectangle

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



48.7419, 0.3791, 0.5372



48.7419, 0.2153, 0.4541



48.7419, 0.2166, 0.1738



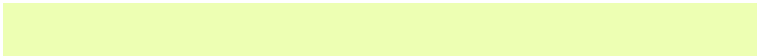
48.7419, 0.3956, 0.2368

Sweetspot

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



48.7441, 0.3791, 0.5372



92.8398, 0.3463, 0.4074



14.1879, 0.6154, 0.3496



19.6920, 0.3508, 0.4188



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.



48.7441, 0.3791, 0.5372



83.3313, 0.3785, 0.5376



42.6491, 0.3124, 0.5902



12.2898, 0.3231, 0.3521



30.6859, 0.3797, 0.5367



1.4838, 0.3884, 0.5298

Inverse Universe

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



4.8002, 0.1620, 0.0666



8.1327, 0.1610, 0.0661



10.1526, 0.2499, 0.1150



10.4028, 0.3018, 0.3054



3.0523, 0.1631, 0.0672



0.1783, 0.1848, 0.0792

Previews

White Background



This preview shows how the Yxy color 48.7419, 0.3791, 0.5372 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 48.7419, 0.3791, 0.5372 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 48.7419, 0.3791, 0.5372

Background



This preview shows how black text looks on a background with the Yxy color 48.7419, 0.3791, 0.5372.

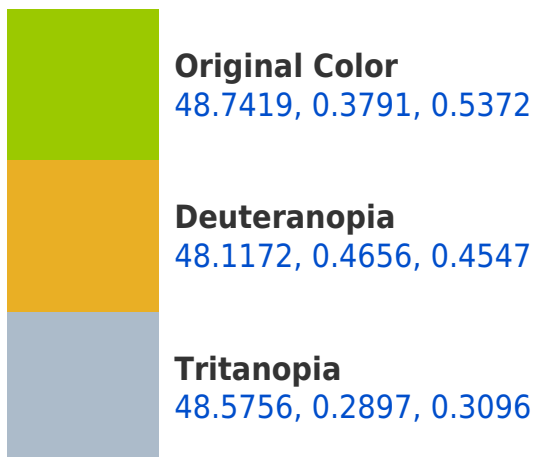


This preview shows how white text looks on a background with the Yxy color 48.7419, 0.3791, 0.5372.

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



Trichromacy



Original Color

48.7419, 0.3791, 0.5372

Deuteranomaly

47.3261, 0.4354, 0.4851

Tritanomaly

47.3912, 0.3386, 0.4164

Monochromacy



Original Color

48.7419, 0.3791, 0.5372

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

40.0208, 0.3577, 0.4349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7419, 0.3791, 0.5372 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(155, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 201, 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(155, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 201, 0) }
```

Border

The CSS property to change the border of an element to Yxy 48.7419, 0.3791, 0.5372 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(155, 201, 0) }
```

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

```
.border{ border-color:rgb(155, 201, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 201, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 201, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 201, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 201,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 48.7419, 0.3791, 0.5372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 201, 0) }
```

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

```
.background{ background-color: rgb(155,  
201, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor