

Converting Colors

$Y_{xy}(48.2815, 0.3796, 0.5362)$

Have a look what the booklet for
Yxy(48.2815, 0.3796, 0.5362)
contains.

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Color

Yxy(48.2815, 0.3796, 0.5362)

Conversions

Conversions Part 1

Format	Color
Hex	9BC802
RGB	155, 200, 2
RGB Percent	61%, 78%, 1%
CMY	0.3922, 0.2157, 0.9912
CMYK	0.23, 0.00, 0.99, 0.22
HSL	74°, 98%, 40%
HSV	74°, 99%, 78%
XYZ	34.1806, 48.2815, 7.5817
YIQ	163.9730, 36.7380, -71.1180

Conversions

Conversions Part 2

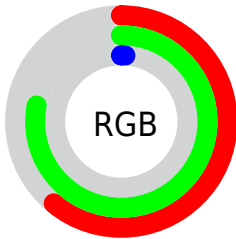
Format	Color
R _Y B	2, 200, 47
Decimal	10209282
CIE Lab	75.00, -36.69, 74.62
CIE LCh	75, 83.150, 116.181
Yxy	48.2815, 0.3796, 0.5362
Android (android.graphics.Color)	4288399362 (0xFF9BC802)
YUV	163.9730, -79.8527, -7.8693
Hunter-Lab	69.4849, -33.7918, 42.1701

Details

The Yxy color **48.2815, 0.3796, 0.5362** 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 **4.8304, 0.1629, 0.0676**, and the grayscale version is **37.4980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4407, 0.3762, 0.4998**, and **23.1544, 0.3635, 0.5496** is the 20% darker color. If you saturate the color by 10%, you get **48.2282, 0.3794, 0.5370**, and if you desaturate by 10%, it is **48.7967, 0.3813, 0.5285**.

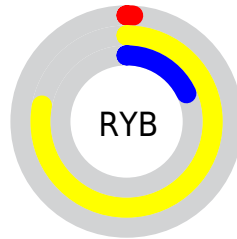
Distribution



Red (61%)

Green (78%)

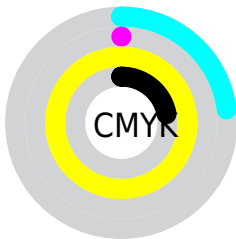
Blue (1%)



Red (1%)

Yellow (78%)

Blue (18%)

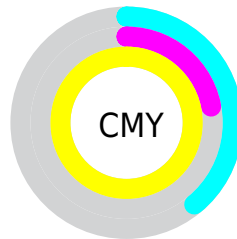


Cyan (23%)

Magenta (0%)

Yellow (99%)

Black (22%)



Cyan (39%)


Magenta (22%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2815, 0.3796, 0.5362 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 48.2815, 0.3796, 0.5362 by changing the saturation by 10% instead.


 48.2815, 0.3796,
0.5362

 48.2815, 0.3796,
0.5362


379.9068, 0.3573,
0.4344


 34.0499, 0.3803,
0.5583


 87.6234, 0.3749,
0.5011

 22.9319, 0.3783,
0.5838


 113.5024, 0.3721,
0.4873

 14.5432, 0.3738,
0.6173

 144.0327, 0.3693,
0.4753

 8.4995, 0.3547,
0.6453

 179.5987, 0.3666,
0.4649

 4.4162, 0.3211,
0.6789

 220.5846, 0.3640,
0.4558

 1.9090, 0.2635,
0.7365

 267.3751, 0.3616,

 0.5538, 0.0000,

0.4478

1.0000

320.3543, 0.3594,
0.4407

■ 0.0000, 0.0000,
0.0000

■ 48.2815, 0.3796,
0.5362

■ 48.2815, 0.3796,
0.5362

■ 48.2282, 0.3794,
0.5370

■ 48.7967, 0.3813,
0.5285

■ 49.3831, 0.3808,
0.5165

■ 50.0583, 0.3777,
0.4999

■ 50.8319, 0.3721,
0.4793

■ 51.7121, 0.3644,
0.4555

■ 52.7059, 0.3551,
0.4298

■ 53.8199, 0.3447,
0.4032

■ 55.0600, 0.3337,
0.3766

■ 56.4317, 0.3225,
0.3508

Harmonies

Analogous

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



48.2815, 0.4709, 0.4750



48.2815, 0.3796, 0.5362



48.2815, 0.2778, 0.5227

Triad

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



48.2815, 0.3796, 0.5362



48.2815, 0.1330, 0.2039



48.2815, 0.4335, 0.2565

Complementary

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



48.2815, 0.3796, 0.5362



4.8304, 0.1629, 0.0676

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.



48.2815, 0.3149, 0.2036



48.2815, 0.3796, 0.5362



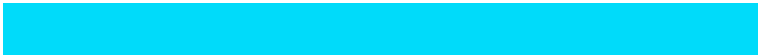
48.2815, 0.1570, 0.1724

Square

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



48.2815, 0.3796, 0.5362



48.2815, 0.1422, 0.2817



48.2815, 0.2165, 0.1742



48.2815, 0.5183, 0.3234

Rectangle

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



48.2815, 0.3796, 0.5362



48.2815, 0.2162, 0.4542



48.2815, 0.2165, 0.1742



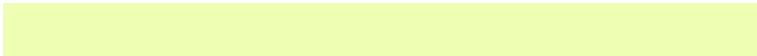
48.2815, 0.3946, 0.2368

Sweetspot

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



48.2837, 0.3796, 0.5362



92.8591, 0.3464, 0.4073



14.1697, 0.6127, 0.3504



19.6966, 0.3509, 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.



48.2837, 0.3796, 0.5362



83.3815, 0.3788, 0.5374



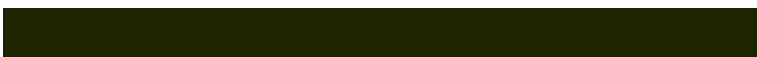
42.2254, 0.3129, 0.5890



12.2906, 0.3231, 0.3521



30.7040, 0.3799, 0.5365



1.4845, 0.3886, 0.5297

Inverse Universe

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



4.8304, 0.1629, 0.0676



8.1215, 0.1609, 0.0660



10.1466, 0.2507, 0.1159



10.4020, 0.3017, 0.3054



3.0478, 0.1630, 0.0672



0.1780, 0.1846, 0.0791

Previews

White Background



This preview shows how the Yxy color 48.2815, 0.3796, 0.5362 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 48.2815, 0.3796, 0.5362 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 48.2815, 0.3796, 0.5362

Background



This preview shows how black text looks on a background with the Yxy color 48.2815, 0.3796, 0.5362.



This preview shows how white text looks on a background with the Yxy color 48.2815, 0.3796, 0.5362.

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

48.2815, 0.3796, 0.5362

Protanopia

48.1078, 0.4404, 0.4886

Deuteranopia

47.9431, 0.4650, 0.4557



Tritanopia

48.1055, 0.2903, 0.3096

Trichromacy



Original Color

48.2815, 0.3796, 0.5362

Protanomaly

47.6479, 0.4183, 0.5058

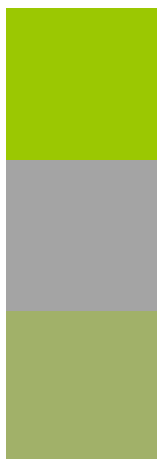
Deuteranomaly

47.1843, 0.4345, 0.4857

Tritanomaly

46.9536, 0.3389, 0.4152

Monochromacy



Original Color

48.2815, 0.3796, 0.5362

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

40.0413, 0.3569, 0.4335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2815, 0.3796, 0.5362 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, 200, 2)` looks like.

```
.text, #text, p{  
    color:rgb(155, 200, 2)  
}
```

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, 200, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 200, 2) }
```

Border

The CSS property to change the border of an element to Yxy 48.2815, 0.3796, 0.5362 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, 200, 2) }
```

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

```
.border{ border-color:rgb(155, 200, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 200, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 200, 2); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 200, 2); box-shadow:4px 4px 4px 4px rgb(155, 200, 2) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2815, 0.3796, 0.5362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 200, 2) }
```

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

```
.background{ background-color: rgb(155,  
200, 2) }
```

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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