

Converting Colors

$Y_{xy}(48.1986, 0.3705, 0.5264)$

Have a look what the booklet for
Yxy(48.1986, 0.3705, 0.5264)
contains.

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Color

Yxy(48.0343, 0.3703, 0.5265)

Conversions

Conversions Part 1

Format	Color
Hex	97C827
RGB	151, 200, 39
RGB Percent	59%, 78%, 15%
CMY	0.4078, 0.2157, 0.8468
CMYK	0.25, 0.00, 0.80, 0.22
HSL	78°, 67%, 47%
HSV	78°, 80%, 78%
XYZ	33.7837, 48.0343, 9.4153
YIQ	166.9950, 22.4770, -60.4590

Conversions

Conversions Part 2

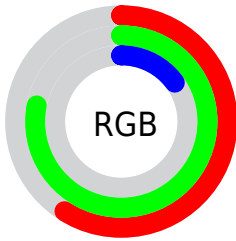
Format	Color
RYB	39, 200, 88
Decimal	9947175
CIELab	74.85, -37.40, 68.19
CIELCh	75, 77.773, 118.742
Yxy	48.0343, 0.3703, 0.5265
Android (android.graphics.Color)	4288137255 (0xFF97C827)
YUV	166.9950, -63.1015, -14.0276
Hunter-Lab	69.3068, -34.2768, 40.4602

Details

The Yxy color **48.0343, 0.3703, 0.5265** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **7.7035, 0.1941, 0.0985**, and the grayscale version is **38.9505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9762, 0.3669, 0.4905**, and **22.9907, 0.3602, 0.5522** is the 20% darker color. If you saturate the color by 10%, you get **47.3690, 0.3692, 0.5392**, and if you desaturate by 10%, it is **48.8038, 0.3689, 0.5090**.

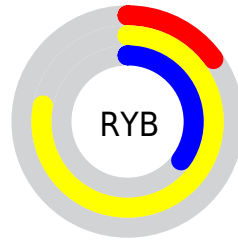
Distribution



Red (59%)

Green (78%)

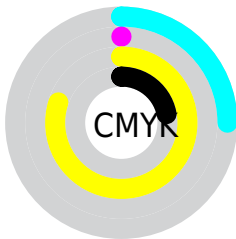
Blue (15%)



Red (15%)

Yellow (78%)

Blue (35%)

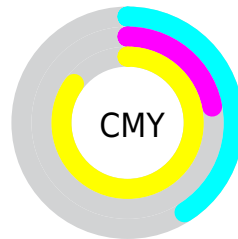


Cyan (25%)

Magenta (0%)

Yellow (80%)

Black (22%)



Cyan (41%)


Magenta (22%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0343, 0.3703, 0.5265 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 48.0343, 0.3703, 0.5265 by changing the saturation by 10% instead.


 48.0343, 0.3703,
0.5265

 48.0343, 0.3703,
0.5265


378.9281, 0.3506,
0.4275

 33.8541, 0.3712,
0.5491


 87.2555, 0.3659,
0.4916

 22.7815, 0.3699,
0.5760


 113.0652, 0.3634,
0.4781


 14.4323, 0.3646,
0.6085


 143.5202, 0.3609,
0.4665

 8.4219, 0.3516,
0.6484

 179.0048, 0.3586,
0.4565

 4.3661, 0.3171,
0.6829

 219.9036, 0.3563,
0.4478

 1.8804, 0.2567,
0.7433

 266.6007, 0.3543,

 0.5365, 0.0000,

0.4402

1.0000

319.4808, 0.3523,
0.4334

■ 0.0000, 0.0000,
0.0000

■ 48.0343, 0.3703,
0.5265

■ 48.0343, 0.3703,
0.5265

■ 47.3690, 0.3692,
0.5392

■ 48.8038, 0.3689,
0.5090

■ 46.8083, 0.3663,
0.5474

■ 49.6812, 0.3651,
0.4874

■ 50.6772, 0.3591,
0.4626

■ 51.7993, 0.3514,
0.4360

■ 53.0544, 0.3425,
0.4085

■ 54.4486, 0.3329,
0.3812

■ 55.9879, 0.3230,
0.3549

■ 57.6775, 0.3132,
0.3301

■ 59.5227, 0.3036,
0.3071

Harmonies

Analogous

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



48.0343, 0.4581, 0.4757



48.0343, 0.3703, 0.5265



48.0343, 0.2734, 0.5027

Triad

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



48.0343, 0.3703, 0.5265



48.0343, 0.1419, 0.2069



48.0343, 0.4351, 0.2659

Complementary

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



48.0343, 0.3703, 0.5265



7.7035, 0.1941, 0.0985

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.



48.0343, 0.3246, 0.2133



48.0343, 0.3703, 0.5265



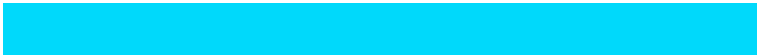
48.0343, 0.1679, 0.1790

Square

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



48.0343, 0.3703, 0.5265



48.0343, 0.1485, 0.2774



48.0343, 0.2285, 0.1828



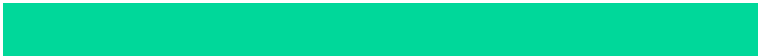
48.0343, 0.5096, 0.3313

Rectangle

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



48.0343, 0.3703, 0.5265



48.0343, 0.2159, 0.4351



48.0343, 0.2285, 0.1828



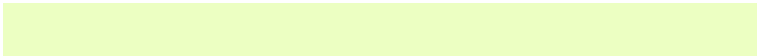
48.0343, 0.3995, 0.2464

Sweetspot

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



48.0364, 0.3703, 0.5265



93.3015, 0.3367, 0.3917



19.2993, 0.5404, 0.3775



19.7850, 0.3401, 0.4016



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.



48.0364, 0.3703, 0.5265



81.2023, 0.3667, 0.5458



42.8063, 0.3136, 0.5678



12.2487, 0.3219, 0.3521



29.8099, 0.3670, 0.5468



1.4482, 0.3783, 0.5378

Inverse Universe

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



7.7035, 0.1941, 0.0985



9.2235, 0.1720, 0.0731



13.9301, 0.2808, 0.1435



10.4414, 0.3029, 0.3054



3.3218, 0.1716, 0.0719



0.1958, 0.1953, 0.0849

Previews

White Background



This preview shows how the Yxy color 48.0343, 0.3703, 0.5265 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 48.0343, 0.3703, 0.5265 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 48.0343, 0.3703, 0.5265

Background



This preview shows how black text looks on a background with the Yxy color 48.0343, 0.3703, 0.5265.



This preview shows how white text looks on a background with the Yxy color 48.0343, 0.3703, 0.5265.

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

48.0343, 0.3703, 0.5265

Protanopia

47.6677, 0.4345, 0.4798

Deuteranopia

47.3430, 0.4584, 0.4485



Tritanopia

47.6597, 0.2873, 0.3094

Trichromacy



Original Color

48.0343, 0.3703, 0.5265

Protanomaly

47.5191, 0.4107, 0.4975

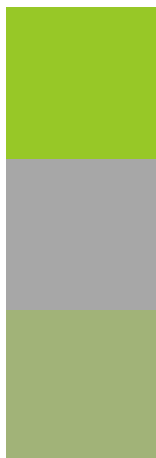
Deuteranomaly

46.4897, 0.4260, 0.4768

Tritanomaly

46.8960, 0.3257, 0.3977

Monochromacy



Original Color

48.0343, 0.3703, 0.5265

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

41.1733, 0.3445, 0.4147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0343, 0.3703, 0.5265 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(151, 200, 39)` looks like.

```
.text, #text, p{  
    color:rgb(151, 200, 39)  
}
```

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(151, 200, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 200, 39) }
```

Border

The CSS property to change the border of an element to Yxy 48.0343, 0.3703, 0.5265 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(151, 200, 39) }
```

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

```
.border{ border-color:rgb(151, 200, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 200, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 200, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 200, 39);  
box-shadow:4px 4px 4px 4px rgb(151, 200,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0343, 0.3703, 0.5265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 200, 39) }
```

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

```
.background{ background-color: rgb(151,  
200, 39) }
```

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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