

Converting Colors

$Y_{xy}(43.3188, 0.3726, 0.5049)$

Have a look what the booklet for
Yxy(43.3188, 0.3726, 0.5049)
contains.

Yxy(43.4629, 0.3725, 0.5048)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.4629, 0.3725, 0.5048)

Conversions

Conversions Part 1

Format	Color
Hex	99BD39
RGB	153, 189, 57
RGB Percent	60%, 74%, 22%
CMY	0.4000, 0.2588, 0.7766
CMYK	0.19, 0.00, 0.70, 0.26
HSL	76°, 54%, 48%
HSV	76°, 70%, 74%
XYZ	32.0720, 43.4629, 10.5644
YIQ	163.1880, 20.9160, -48.6840

Conversions

Conversions Part 2

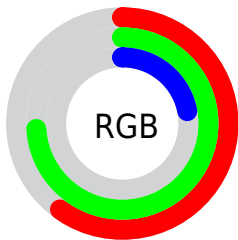
Format	Color
RYB	57, 189, 93
Decimal	10075449
CIELab	71.87, -30.65, 59.59
CIELCh	72, 67.012, 117.214
Yxy	43.4629, 0.3725, 0.5048
Android (android.graphics.Color)	4288265529 (0xFF99BD39)
YUV	163.1880, -52.3507, -8.9349
Hunter-Lab	65.9264, -28.5343, 36.6476

Details

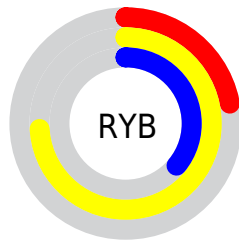
The Yxy color **43.4629, 0.3725, 0.5048** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **8.9227, 0.2072, 0.1220**, and the grayscale version is **36.9633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1763, 0.3659, 0.4720**, and **20.2050, 0.3719, 0.5429** is the 20% darker color. If you saturate the color by 10%, you get **42.8194, 0.3746, 0.5219**, and if you desaturate by 10%, it is **44.2022, 0.3679, 0.4836**.

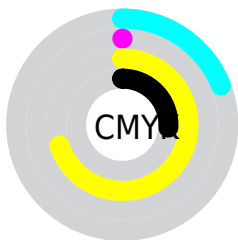
Distribution



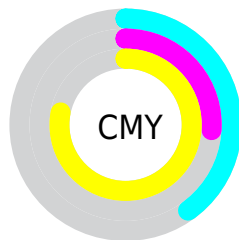
- Red (60%)
- Green (74%)
- Blue (22%)



- Red (22%)
- Yellow (74%)
- Blue (36%)



- Cyan (19%)
- Magenta (0%)
- Yellow (70%)
- Black (26%)





- Cyan (40%)
- Magenta (26%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4629, 0.3725, 0.5048 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 43.4629, 0.3725, 0.5048 by changing the saturation by 10% instead.

 43.4629, 0.3725,
0.5048


 43.4629, 0.3725,
0.5048


360.5120, 0.3489,
0.4149


 30.2485, 0.3753,
0.5262


 80.4089, 0.3660,
0.4725


 20.0273, 0.3766,
0.5523


 104.9093, 0.3629,
0.4602


 12.4149, 0.3746,
0.5840


 133.9405, 0.3600,
0.4497

 7.0269, 0.3698,
0.6302

 167.8869, 0.3574,
0.4407

 3.4789, 0.3375,
0.6625

 207.1328, 0.3550,
0.4330

 1.3866, 0.2653,
0.7347

252.0627, 0.3528,

 0.2068, 0.0000,

0.4262

1.0000

303.0610, 0.3507,
0.4202

■ 0.0000, 0.0000,
0.0000

■ 43.4629, 0.3725,
0.5048

■ 43.4629, 0.3725,
0.5048

■ 42.8194, 0.3746,
0.5219

■ 44.2022, 0.3679,
0.4836

■ 42.2572, 0.3743,
0.5344

■ 45.0386, 0.3612,
0.4593

■ 41.7620, 0.3718,
0.5429

■ 45.9805, 0.3529,
0.4331

■ 41.7554, 0.3718,
0.5430

■ 47.0336, 0.3434,
0.4061

■ 48.2034, 0.3332,
0.3792

■ 49.4947, 0.3229,
0.3532

■ 50.9121, 0.3126,
0.3287

■ 52.4600, 0.3026,
0.3058

■ 54.1425, 0.2931,
0.2848

Harmonies

Analogous

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



43.4629, 0.4505, 0.4620



43.4629, 0.3725, 0.5048



43.4629, 0.2839, 0.4842

Triad

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



43.4629, 0.3725, 0.5048



43.4629, 0.1557, 0.2215



43.4629, 0.4175, 0.2696

Complementary

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



43.4629, 0.3725, 0.5048



8.9227, 0.2072, 0.1220

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.



43.4629, 0.3192, 0.2215



43.4629, 0.3725, 0.5048



43.4629, 0.1785, 0.1927

Square

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



43.4629, 0.3725, 0.5048



43.4629, 0.1643, 0.2889



43.4629, 0.2333, 0.1943



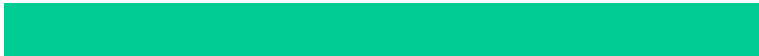
43.4629, 0.4869, 0.3305

Rectangle

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



43.4629, 0.3725, 0.5048



43.4629, 0.2303, 0.4277



43.4629, 0.2333, 0.1943



43.4629, 0.3856, 0.2517

Sweetspot

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



43.4648, 0.3725, 0.5048



86.0042, 0.3348, 0.3831



18.7993, 0.5061, 0.3722



18.3678, 0.3376, 0.3905



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.4648, 0.3725, 0.5048



76.1151, 0.3747, 0.5294



38.7564, 0.3193, 0.5395



10.9862, 0.3223, 0.3520



28.1318, 0.3724, 0.5425



1.1327, 0.3842, 0.5332

Inverse Universe

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



8.9227, 0.2072, 0.1220



10.4884, 0.1835, 0.0878



13.8860, 0.2810, 0.1574



9.3479, 0.3025, 0.3056



2.9881, 0.1679, 0.0699



0.1507, 0.1950, 0.0848

Previews

White Background



This preview shows how the Yxy color 43.4629, 0.3725, 0.5048 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 43.4629, 0.3725, 0.5048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

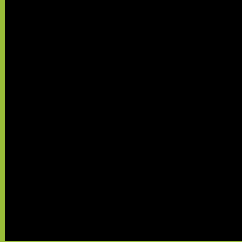
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.4629, 0.3725, 0.5048

Background



This preview shows how black text looks on a background with the Yxy color 43.4629, 0.3725, 0.5048.



This preview shows how white text looks on a background with the Yxy color 43.4629, 0.3725, 0.5048.

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

43.4629, 0.3725, 0.5048

Protanopia

43.1873, 0.4255, 0.4686

Deuteranopia

43.0792, 0.4486, 0.4393



Tritanopia

43.5307, 0.2941, 0.3102

Trichromacy



Original Color

43.4629, 0.3725, 0.5048

Protanomaly

43.1473, 0.4055, 0.4824

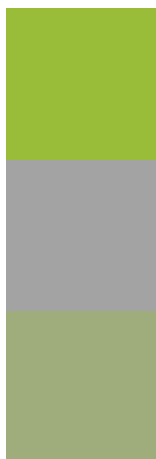
Deuteranomaly

42.6098, 0.4204, 0.4629

Tritanomaly

42.7873, 0.3283, 0.3847

Monochromacy



Original Color

43.4629, 0.3725, 0.5048

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.3312, 0.3413, 0.4003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4629, 0.3725, 0.5048 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(153, 189, 57)` looks like.

```
.text, #text, p{  
    color:rgb(153, 189, 57)  
}
```

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(153, 189, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 189, 57) }
```

Border

The CSS property to change the border of an element to Yxy 43.4629, 0.3725, 0.5048 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(153, 189, 57) }
```

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

```
.border{ border-color:rgb(153, 189, 57) }
```

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

Here you see how a box with a 4 pixel rgb(153, 189, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 189, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 189, 57);  
box-shadow:4px 4px 4px 4px rgb(153, 189,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4629, 0.3725, 0.5048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 189, 57) }
```

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

```
.background{ background-color: rgb(153,  
189, 57) }
```

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