

Converting Colors

$Y_{xy}(46.0301, 0.3850, 0.4971)$

Have a look what the booklet for
Yxy(46.0301, 0.3850, 0.4971)
contains.

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Color

Yxy(45.8818, 0.3850, 0.4973)

Conversions

Conversions Part 1

Format	Color
Hex	A8BF39
RGB	168, 191, 57
RGB Percent	66%, 75%, 22%
CMY	0.3411, 0.2510, 0.7763
CMYK	0.12, 0.00, 0.70, 0.25
HSL	70°, 54%, 49%
HSV	70°, 70%, 75%
XYZ	35.5208, 45.8818, 10.8592
YIQ	168.8470, 29.3060, -46.5500

Conversions

Conversions Part 2

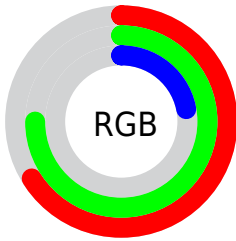
Format	Color
RYB	57, 191, 80
Decimal	11059001
CIELab	73.47, -25.49, 61.51
CIELCh	73, 66.580, 112.510
Yxy	45.8818, 0.3850, 0.4973
Android (android.graphics.Color)	4289249081 (0xFFA8BF39)
YUV	168.8470, -55.1406, -0.7428
Hunter-Lab	67.7361, -24.9328, 37.9101

Details

The Yxy color **45.8818, 0.3850, 0.4973** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **8.3981, 0.1949, 0.1155**, and the grayscale version is **39.8676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8601, 0.3766, 0.4675**, and **21.6217, 0.3872, 0.5308** is the 20% darker color. If you saturate the color by 10%, you get **45.3724, 0.3888, 0.5122**, and if you desaturate by 10%, it is **46.4761, 0.3787, 0.4783**.

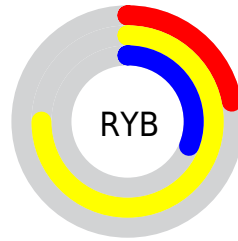
Distribution



Red (66%)

Green (75%)

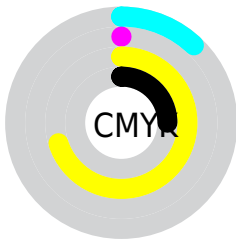
Blue (22%)



Red (22%)

Yellow (75%)

Blue (31%)

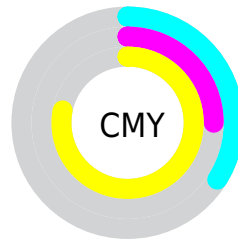


Cyan (12%)

Magenta (0%)

Yellow (70%)

Black (25%)



Cyan (34%)


Magenta (25%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8818, 0.3850, 0.4973 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 45.8818, 0.3850, 0.4973 by changing the saturation by 10% instead.


 45.8818, 0.3850,
0.4973


 45.8818, 0.3850,
0.4973


370.3332, 0.3553,
0.4133


 32.1526, 0.3893,
0.5166


 84.0421, 0.3763,
0.4677


 21.4781, 0.3927,
0.5396


 109.2419, 0.3724,
0.4562


 13.4739, 0.3935,
0.5669

 139.0340, 0.3688,
0.4464

 7.7557, 0.3935,
0.6065

 173.8029, 0.3655,
0.4379

 3.9390, 0.3687,
0.6313

 213.9328, 0.3626,
0.4306

 1.6395, 0.3265,
0.6735

259.8083, 0.3599,

 0.3840, 0.0000,

0.4241

1.0000

311.8136, 0.3575,
0.4184

■ 0.0000, 0.0000,
0.0000

■ 45.8818, 0.3850,
0.4973

■ 45.8818, 0.3850,
0.4973

■ 45.3724, 0.3888,
0.5122

■ 46.4761, 0.3787,
0.4783

■ 44.9331, 0.3900,
0.5226

■ 47.1564, 0.3703,
0.4560

■ 44.5539, 0.3893,
0.5291

■ 47.9311, 0.3601,
0.4314

■ 48.8060, 0.3488,
0.4056

■ 49.7863, 0.3369,
0.3794

■ 50.8769, 0.3248,
0.3538

■ 52.0823, 0.3129,
0.3293

■ 53.4069, 0.3014,
0.3063

■ 54.8546, 0.2905,
0.2850

Harmonies

Analogous

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



45.8818, 0.4577, 0.4505



45.8818, 0.3850, 0.4973



45.8818, 0.2984, 0.4884

Triad

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



45.8818, 0.3850, 0.4973



45.8818, 0.1579, 0.2317



45.8818, 0.4008, 0.2625

Complementary

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



45.8818, 0.3850, 0.4973



8.3981, 0.1949, 0.1155

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.



45.8818, 0.3044, 0.2179



45.8818, 0.3850, 0.4973



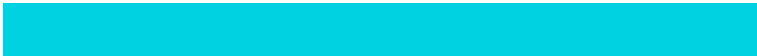
45.8818, 0.1755, 0.1977

Square

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



45.8818, 0.3850, 0.4973



45.8818, 0.1717, 0.3042



45.8818, 0.2244, 0.1949



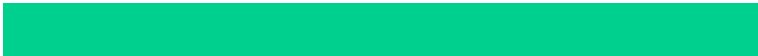
45.8818, 0.4757, 0.3210

Rectangle

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



45.8818, 0.3850, 0.4973



45.8818, 0.2439, 0.4402



45.8818, 0.2244, 0.1949



45.8818, 0.3688, 0.2456

Sweetspot

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



45.8839, 0.3850, 0.4973



88.9473, 0.3384, 0.3825



17.0170, 0.5229, 0.3552



19.4214, 0.3417, 0.3898



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



45.8839, 0.3850, 0.4973



80.8386, 0.3898, 0.5181



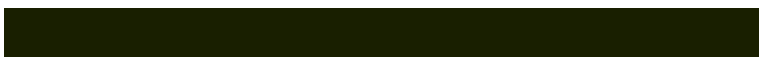
40.3643, 0.3285, 0.5344



11.0355, 0.3238, 0.3519



29.3110, 0.3897, 0.5288



1.1704, 0.3972, 0.5228

Inverse Universe

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



8.3981, 0.1949, 0.1155



9.7312, 0.1719, 0.0816



12.8344, 0.2644, 0.1489



9.3019, 0.3010, 0.3055



2.7068, 0.1583, 0.0646



0.1307, 0.1793, 0.0762

Previews

White Background



This preview shows how the Yxy color 45.8818, 0.3850, 0.4973 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 45.8818, 0.3850, 0.4973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

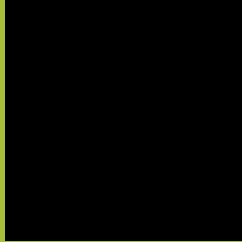
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8818, 0.3850, 0.4973

Background



This preview shows how black text looks on a background with the Yxy color 45.8818, 0.3850, 0.4973.



This preview shows how white text looks on a background with the Yxy color 45.8818, 0.3850, 0.4973.

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

45.8818, 0.3850, 0.4973

Protanopia

45.4654, 0.4267, 0.4692

Deuteranopia

45.5035, 0.4509, 0.4408



Tritanopia

45.5916, 0.3050, 0.3109

Trichromacy



Original Color

45.8818, 0.3850, 0.4973

Protanomaly

45.5040, 0.4116, 0.4795

Deuteranomaly

45.0151, 0.4269, 0.4613

Tritanomaly

45.1973, 0.3397, 0.3836

Monochromacy



Original Color

45.8818, 0.3850, 0.4973

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.4378, 0.3462, 0.3987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8818, 0.3850, 0.4973 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(168, 191, 57)` looks like.

```
.text, #text, p{  
    color:rgb(168, 191, 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(168, 191, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 191, 57) }
```

Border

The CSS property to change the border of an element to Yxy 45.8818, 0.3850, 0.4973 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(168, 191, 57) }
```

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

```
.border{ border-color:rgb(168, 191, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 191, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 191, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 191, 57);  
box-shadow:4px 4px 4px 4px rgb(168, 191,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8818, 0.3850, 0.4973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 191, 57) }
```

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

```
.background{ background-color: rgb(168,  
191, 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](#).

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