

Converting Colors

$Y_{xy}(44.3009, 0.3950, 0.5185)$

Have a look what the booklet for
Yxy(44.3009, 0.3950, 0.5185)
contains.

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Color

Yxy(44.4415, 0.3948, 0.5187)

Conversions

Conversions Part 1

Format	Color
Hex	A5BD13
RGB	165, 189, 19
RGB Percent	65%, 74%, 7%
CMY	0.3531, 0.2588, 0.9255
CMYK	0.13, 0.00, 0.90, 0.26
HSL	68°, 82%, 41%
HSV	68°, 90%, 74%
XYZ	33.8259, 44.4415, 7.4112
YIQ	162.4440, 40.2660, -57.9580

Conversions

Conversions Part 2

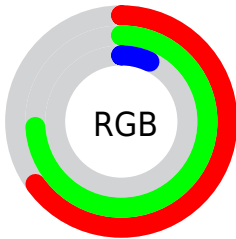
Format	Color
RYB	19, 189, 43
Decimal	10861843
CIELab	72.52, -27.23, 70.97
CIELCh	73, 76.012, 110.995
Yxy	44.4415, 0.3948, 0.5187
Android (android.graphics.Color)	4289051923 (0xFFA5BD13)
YUV	162.4440, -70.7179, 2.2416
Hunter-Lab	66.6645, -26.0909, 40.0738

Details

The Yxy color **44.4415, 0.3948, 0.5187** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.6559, 0.1639, 0.0732**, and the grayscale version is **36.6737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8402, 0.3868, 0.4862**, and **20.7965, 0.3842, 0.5331** is the 20% darker color. If you saturate the color by 10%, you get **44.1130, 0.3946, 0.5249**, and if you desaturate by 10%, it is **44.8256, 0.3930, 0.5088**.

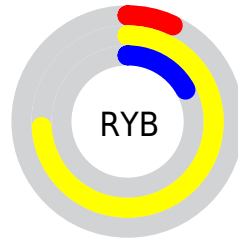
Distribution



Red (65%)

Green (74%)

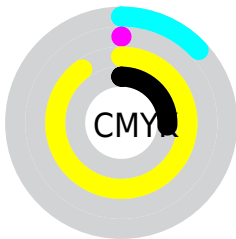
Blue (7%)



Red (7%)

Yellow (74%)

Blue (17%)

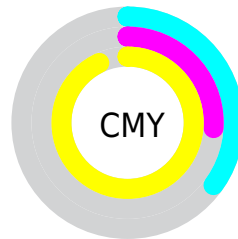


Cyan (13%)

Magenta (0%)

Yellow (90%)

Black (26%)



Cyan (35%)

Magenta (26%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4415, 0.3948, 0.5187 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 44.4415, 0.3948, 0.5187 by changing the saturation by 10% instead.

44.4415, 0.3948,
0.5187

44.4415, 0.3948,
0.5187

364.5069, 0.3632,
0.4257

31.0177, 0.3981,
0.5387

81.8817, 0.3865,
0.4868

20.6124, 0.3994,
0.5617

106.6669, 0.3823,
0.4741

12.8410, 0.3998,
0.5926

136.0081, 0.3784,
0.4632

7.3191, 0.3848,
0.6152

170.2896, 0.3748,
0.4537

3.6625, 0.3570,
0.6430

209.8958, 0.3715,
0.4453

1.4866, 0.3051,
0.6949

255.2112, 0.3685,

0.2793, 0.0000,

0.4380

1.0000

306.6201, 0.3657,
0.4315

■ 0.0000, 0.0000,
0.0000

■ 44.4415, 0.3948,
0.5187

■ 44.4415, 0.3948,
0.5187

■ 44.1130, 0.3946,
0.5249

■ 44.8256, 0.3930,
0.5088

■ 44.1111, 0.3946,
0.5249

■ 45.2755, 0.3886,
0.4945

■ 45.8016, 0.3817,
0.4760

■ 46.4110, 0.3727,
0.4542

■ 47.1098, 0.3620,
0.4301

■ 47.9035, 0.3501,
0.4046

■ 48.7973, 0.3377,
0.3787

■ 49.7959, 0.3250,
0.3533

■ 50.9037, 0.3126,
0.3289

Harmonies

Analogous

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



44.4415, 0.4770, 0.4577



44.4415, 0.3948, 0.5187



44.4415, 0.2979, 0.5192

Triad

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



44.4415, 0.3948, 0.5187



44.4415, 0.1400, 0.2202



44.4415, 0.4080, 0.2504

Complementary

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



44.4415, 0.3948, 0.5187



4.6559, 0.1639, 0.0732

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.



44.4415, 0.2968, 0.2028



44.4415, 0.3948, 0.5187



44.4415, 0.1577, 0.1825

Square

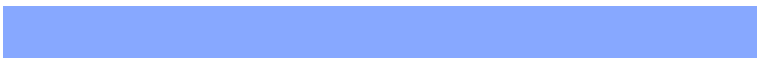
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.4415, 0.3948, 0.5187



44.4415, 0.1556, 0.3035



44.4415, 0.2090, 0.1788



44.4415, 0.4971, 0.3135

Rectangle

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



44.4415, 0.3948, 0.5187



44.4415, 0.2365, 0.4654



44.4415, 0.2090, 0.1788



44.4415, 0.3706, 0.2323

Sweetspot

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



44.4435, 0.3948, 0.5187



86.1650, 0.3470, 0.3981



12.5009, 0.6040, 0.3444



18.4177, 0.3512, 0.4069



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.



44.4435, 0.3948, 0.5187



78.9091, 0.3942, 0.5252



38.2132, 0.3255, 0.5720



11.0503, 0.3243, 0.3518



29.6994, 0.3949, 0.5247



1.1824, 0.4011, 0.5197

Inverse Universe

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



4.6559, 0.1639, 0.0732



6.9314, 0.1547, 0.0626



8.6283, 0.2397, 0.1141



9.2884, 0.3005, 0.3054



2.6469, 0.1562, 0.0634



0.1248, 0.1744, 0.0735

Previews

White Background



This preview shows how the Yxy color 44.4415, 0.3948, 0.5187 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 44.4415, 0.3948, 0.5187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

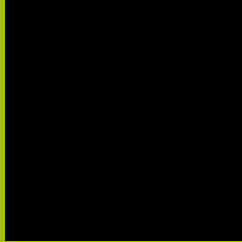
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.4415, 0.3948, 0.5187

Background



This preview shows how black text looks on a background with the Yxy color 44.4415, 0.3948, 0.5187.



This preview shows how white text looks on a background with the Yxy color 44.4415, 0.3948, 0.5187.

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

44.4415, 0.3948, 0.5187

Protanopia

44.1519, 0.4385, 0.4862

Deuteranopia

43.9861, 0.4651, 0.4538



Tritanopia

44.3521, 0.3041, 0.3107

Trichromacy



Original Color

44.4415, 0.3948, 0.5187

Protanomaly

44.0581, 0.4221, 0.4984

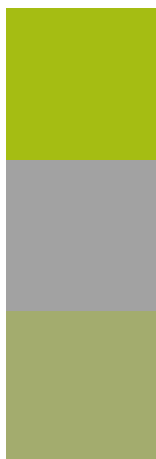
Deuteranomaly

43.8409, 0.4400, 0.4776

Tritanomaly

43.6049, 0.3497, 0.4025

Monochromacy



Original Color

44.4415, 0.3948, 0.5187

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

38.4174, 0.3569, 0.4197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4415, 0.3948, 0.5187 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(165, 189, 19)` looks like.

```
.text, #text, p{  
    color:rgb(165, 189, 19)  
}
```

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(165, 189, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 189, 19) }
```

Border

The CSS property to change the border of an element to Yxy 44.4415, 0.3948, 0.5187 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(165, 189, 19) }
```

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

```
.border{ border-color:rgb(165, 189, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 189, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 189, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 189, 19);  
box-shadow:4px 4px 4px 4px rgb(165, 189,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4415, 0.3948, 0.5187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 189, 19) }
```

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

```
.background{ background-color: rgb(165,  
189, 19) }
```

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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