

Converting Colors

$Y_{xy}(48.4387, 0.3955, 0.5155)$

Have a look what the booklet for
Yxy(48.4387, 0.3955, 0.5155)
contains.

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Color

Yxy(48.4387, 0.3955, 0.5155)

Conversions

Conversions Part 1

Format	Color
Hex	ADC41A
RGB	173, 196, 26
RGB Percent	68%, 77%, 10%
CMY	0.3215, 0.2314, 0.8984
CMYK	0.12, 0.00, 0.87, 0.23
HSL	68°, 77%, 44%
HSV	68°, 87%, 77%
XYZ	37.1630, 48.4387, 8.3628
YIQ	169.7430, 40.8620, -57.7460

Conversions

Conversions Part 2

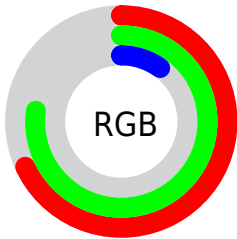
Format	Color
R _Y B	26, 196, 49
Decimal	11387930
CIE Lab	75.10, -27.06, 72.06
CIE LCh	75, 76.968, 110.582
Yxy	48.4387, 0.3955, 0.5155
Android (android.graphics.Color)	4289578010 (0xFFADC41A)
YUV	169.7430, -70.8653, 2.8564
Hunter-Lab	69.5979, -26.4833, 41.5943

Details

The Yxy color **48.4387, 0.3955, 0.5155** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as dark washed chartreuse. A complement of this color would be **5.3712, 0.1665, 0.0772**, and the grayscale version is **40.4067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1617, 0.3869, 0.4853**, and **23.0590, 0.3880, 0.5301** is the 20% darker color. If you saturate the color by 10%, you get **48.0816, 0.3958, 0.5223**, and if you desaturate by 10%, it is **48.8651, 0.3928, 0.5044**.

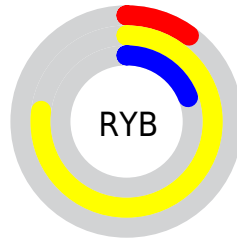
Distribution



Red (68%)

Green (77%)

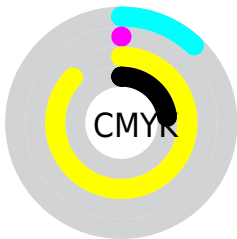
Blue (10%)



Red (10%)

Yellow (77%)

Blue (19%)

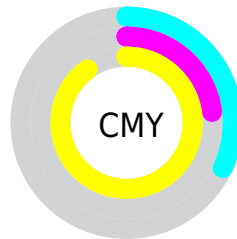


Cyan (12%)

Magenta (0%)

Yellow (87%)

Black (23%)



Cyan (32%)


Magenta (23%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4387, 0.3955, 0.5155 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 48.4387, 0.3955, 0.5155 by changing the saturation by 10% instead.

 48.4387, 0.3955,
0.5155


 48.4387, 0.3955,
0.5155


380.5284, 0.3637,
0.4254


 34.1744, 0.3991,
0.5346


 87.8572, 0.3870,
0.4848


 23.0276, 0.4009,
0.5566


 113.7803, 0.3829,
0.4726


 14.6139, 0.4006,
0.5835


 144.3584, 0.3790,
0.4620

 8.5489, 0.3908,
0.6092

 179.9759, 0.3754,
0.4527

 4.4481, 0.3663,
0.6337

 221.0173, 0.3721,
0.4446

 1.9273, 0.3258,
0.6742

 267.8669, 0.3691,

 0.5647, 0.0000,

0.4375

1.0000

320.9091, 0.3663,
0.4311

■ 0.0000, 0.0000,
0.0000

■ 48.4387, 0.3955,
0.5155

■ 48.4387, 0.3955,
0.5155

■ 48.0816, 0.3958,
0.5223

■ 48.8651, 0.3928,
0.5044

■ 47.9726, 0.3956,
0.5241

■ 49.3656, 0.3875,
0.4889

■ 49.9510, 0.3798,
0.4694

■ 50.6286, 0.3701,
0.4468

■ 51.4051, 0.3588,
0.4222

■ 52.2862, 0.3466,
0.3965

■ 53.2774, 0.3339,
0.3707

■ 54.3837, 0.3212,
0.3455

■ 55.6099, 0.3088,
0.3214

Harmonies

Analogous

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



48.4387, 0.4760, 0.4556



48.4387, 0.3955, 0.5155



48.4387, 0.2999, 0.5163

Triad

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



48.4387, 0.3955, 0.5155



48.4387, 0.1421, 0.2227



48.4387, 0.4051, 0.2508

Complementary

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



48.4387, 0.3955, 0.5155



5.3712, 0.1665, 0.0772

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.



48.4387, 0.2958, 0.2039



48.4387, 0.3955, 0.5155



48.4387, 0.1591, 0.1846

Square

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



48.4387, 0.3955, 0.5155



48.4387, 0.1582, 0.3057



48.4387, 0.2095, 0.1805



48.4387, 0.4934, 0.3132

Rectangle

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



48.4387, 0.3955, 0.5155



48.4387, 0.2391, 0.4644



48.4387, 0.2095, 0.1805



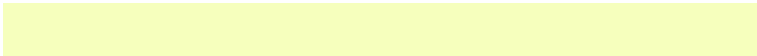
48.4387, 0.3682, 0.2329

Sweetspot

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



48.4409, 0.3955, 0.5155



94.7817, 0.3461, 0.3956



13.9731, 0.5947, 0.3458



20.1617, 0.3505, 0.4047



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.



48.4409, 0.3955, 0.5155



86.8216, 0.3952, 0.5244



41.6426, 0.3268, 0.5676



11.6871, 0.3244, 0.3519



30.8519, 0.3960, 0.5238



1.3525, 0.4015, 0.5194

Inverse Universe

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



5.3712, 0.1665, 0.0772



7.5678, 0.1543, 0.0624



9.7593, 0.2425, 0.1177



9.8118, 0.3004, 0.3053



2.7281, 0.1558, 0.0632



0.1395, 0.1722, 0.0722

Previews

White Background



This preview shows how the Yxy color 48.4387, 0.3955, 0.5155 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 48.4387, 0.3955, 0.5155 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 48.4387, 0.3955, 0.5155

Background



This preview shows how black text looks on a background with the Yxy color 48.4387, 0.3955, 0.5155.



This preview shows how white text looks on a background with the Yxy color 48.4387, 0.3955, 0.5155.

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

48.4387, 0.3955, 0.5155

Protanopia

48.1657, 0.4375, 0.4844

Deuteranopia

47.9758, 0.4634, 0.4536



Tritanopia

48.1785, 0.3061, 0.3101

Trichromacy



Original Color

48.4387, 0.3955, 0.5155

Protanomaly

48.0592, 0.4219, 0.4962

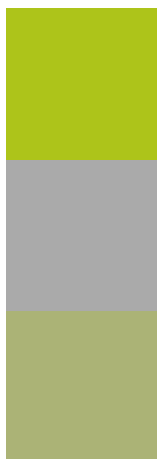
Deuteranomaly

47.8432, 0.4388, 0.4759

Tritanomaly

47.3572, 0.3505, 0.3983

Monochromacy



Original Color

48.4387, 0.3955, 0.5155

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.2061, 0.3556, 0.4147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4387, 0.3955, 0.5155 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(173, 196, 26)` looks like.

```
.text, #text, p{  
    color:rgb(173, 196, 26)  
}
```

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(173, 196, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 196, 26) }
```

Border

The CSS property to change the border of an element to Yxy 48.4387, 0.3955, 0.5155 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(173, 196, 26) }
```

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

```
.border{ border-color:rgb(173, 196, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 196, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 196, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 196, 26);  
box-shadow:4px 4px 4px 4px rgb(173, 196,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4387, 0.3955, 0.5155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 196, 26) }
```

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

```
.background{ background-color: rgb(173,  
196, 26) }
```

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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