

Converting Colors

$Y_{xy}(47.1123, 0.3925, 0.5153)$

Have a look what the booklet for
Yxy(47.1123, 0.3925, 0.5153)
contains.

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Color

Yxy(47.1123, 0.3925, 0.5153)

Conversions

Conversions Part 1

Format	Color
Hex	A9C21E
RGB	169, 194, 30
RGB Percent	66%, 76%, 12%
CMY	0.3373, 0.2392, 0.8824
CMYK	0.13, 0.00, 0.85, 0.24
HSL	69°, 73%, 44%
HSV	69°, 85%, 76%
XYZ	35.8851, 47.1123, 8.4296
YIQ	167.8290, 37.7440, -56.3040

Conversions

Conversions Part 2

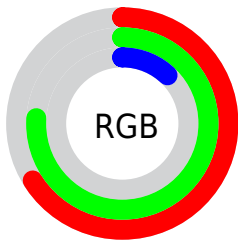
Format	Color
R_{YB}	30, 194, 55
Decimal	11125278
CIE Lab	74.26, -27.68, 70.38
CIE LCh	74, 75.630, 111.469
Yxy	47.1123, 0.3925, 0.5153
Android (android.graphics.Color)	4289315358 (0xFFA9C21E)
YUV	167.8290, -67.9497, 1.0270
Hunter-Lab	68.6384, -26.7950, 40.7654

Details

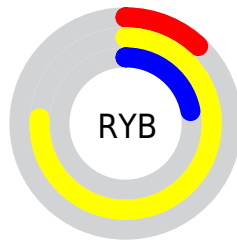
The Yxy color **47.1123, 0.3925, 0.5153** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark washed chartreuse. A complement of this color would be **5.6367, 0.1709, 0.0818**, and the grayscale version is **39.3948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6555, 0.3848, 0.4836**, and **22.2009, 0.3851, 0.5324** is the 20% darker color. If you saturate the color by 10%, you get **46.7202, 0.3930, 0.5233**, and if you desaturate by 10%, it is **47.5770, 0.3895, 0.5028**.

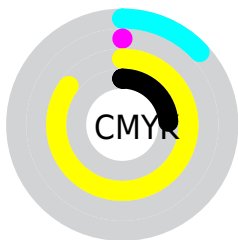
Distribution



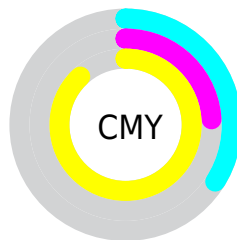
- Red (66%)
- Green (76%)
- Blue (12%)



- Red (12%)
- Yellow (76%)
- Blue (22%)



- Cyan (13%)
- Magenta (0%)
- Yellow (85%)
- Black (24%)





- Cyan (34%)
- Magenta (24%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1123, 0.3925, 0.5153 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 47.1123, 0.3925, 0.5153 by changing the saturation by 10% instead.

 47.1123, 0.3925,
0.5153


 47.1123, 0.3925,
0.5153


375.2626, 0.3618,
0.4244

 33.1244, 0.3959,
0.5350


 85.8812, 0.3843,
0.4841


 22.2218, 0.3976,
0.5577


 111.4311, 0.3803,
0.4717


 14.0200, 0.3970,
0.5857


 141.6037, 0.3765,
0.4610

 8.1345, 0.3868,
0.6132

 176.7836, 0.3730,
0.4517

 4.1812, 0.3608,
0.6392

 217.3550, 0.3698,
0.4436

 1.7754, 0.3172,
0.6828

 263.7023, 0.3669,

 0.4718, 0.0000,

0.4364

1.0000

316.2101, 0.3642,
0.4300

0.0000, 0.0000,
0.0000

47.1123, 0.3925,
0.5153

47.1123, 0.3925,
0.5153

46.7202, 0.3930,
0.5233

47.5770, 0.3895,
0.5028

46.5234, 0.3926,
0.5265

48.1176, 0.3840,
0.4860

48.7445, 0.3761,
0.4654

49.4645, 0.3663,
0.4420

50.2839, 0.3551,
0.4168

■ 51.2083, 0.3430,
0.3908

■ 52.2430, 0.3306,
0.3650

■ 53.3928, 0.3182,
0.3400

■ 54.6623, 0.3062,
0.3162

Harmonies

Analogous

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



47.1123, 0.4732, 0.4571



47.1123, 0.3925, 0.5153



47.1123, 0.2974, 0.5132

Triad

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



47.1123, 0.3925, 0.5153



47.1123, 0.1431, 0.2218



47.1123, 0.4075, 0.2530

Complementary

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



47.1123, 0.3925, 0.5153



5.6367, 0.1709, 0.0818

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.



47.1123, 0.2990, 0.2057



47.1123, 0.3925, 0.5153



47.1123, 0.1611, 0.1850

Square

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



47.1123, 0.3925, 0.5153



47.1123, 0.1582, 0.3029



47.1123, 0.2123, 0.1817



47.1123, 0.4937, 0.3154

Rectangle

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



47.1123, 0.3925, 0.5153



47.1123, 0.2373, 0.4600



47.1123, 0.2123, 0.1817



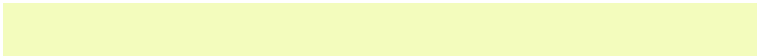
47.1123, 0.3711, 0.2351

Sweetspot

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



47.1144, 0.3925, 0.5153



92.6150, 0.3441, 0.3931



14.2586, 0.5839, 0.3493



20.1467, 0.3484, 0.4024



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.



47.1144, 0.3925, 0.5153



84.1886, 0.3921, 0.5268



40.7272, 0.3260, 0.5651



11.6780, 0.3242, 0.3519



30.6130, 0.3929, 0.5262



1.3442, 0.3992, 0.5213

Inverse Universe

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



5.6367, 0.1709, 0.0818



7.4790, 0.1553, 0.0629



10.1088, 0.2480, 0.1226



9.8201, 0.3006, 0.3054



2.7615, 0.1569, 0.0638



0.1433, 0.1750, 0.0738

Previews

White Background



This preview shows how the Yxy color 47.1123, 0.3925, 0.5153 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 47.1123, 0.3925, 0.5153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

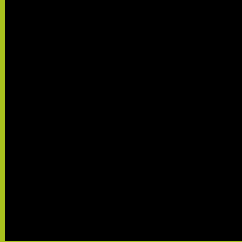
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1123, 0.3925, 0.5153

Background



This preview shows how black text looks on a background with the Yxy color 47.1123, 0.3925, 0.5153.



This preview shows how white text looks on a background with the Yxy color 47.1123, 0.3925, 0.5153.

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

47.1123, 0.3925, 0.5153

Protanopia

46.9252, 0.4357, 0.4833

Deuteranopia

46.7196, 0.4621, 0.4527



Tritanopia

47.1782, 0.3043, 0.3112

Trichromacy



Original Color

47.1123, 0.3925, 0.5153

Protanomaly

46.8310, 0.4199, 0.4951

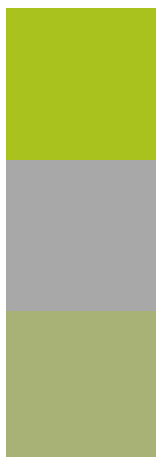
Deuteranomaly

46.4531, 0.4365, 0.4759

Tritanomaly

46.4508, 0.3472, 0.3980

Monochromacy



Original Color

47.1123, 0.3925, 0.5153

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

41.0771, 0.3534, 0.4131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1123, 0.3925, 0.5153 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(169, 194, 30)` looks like.

```
.text, #text, p{  
    color:rgb(169, 194, 30)  
}
```

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(169, 194, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 194, 30) }
```

Border

The CSS property to change the border of an element to Yxy 47.1123, 0.3925, 0.5153 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(169, 194, 30) }
```

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

```
.border{ border-color:rgb(169, 194, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 194, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 194, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 194, 30);  
box-shadow:4px 4px 4px 4px rgb(169, 194,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1123, 0.3925, 0.5153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 194, 30) }
```

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

```
.background{ background-color: rgb(169,  
194, 30) }
```

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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