

Converting Colors

$Y_{xy}(38.0409, 0.3908, 0.4880)$

Have a look what the booklet for
Yxy(38.0409, 0.3908, 0.4880)
contains.

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Color

Yxy(38.1347, 0.3908, 0.4878)

Conversions

Conversions Part 1

Format	Color
Hex	A1AE38
RGB	161, 174, 56
RGB Percent	63%, 68%, 22%
CMY	0.3685, 0.3177, 0.7804
CMYK	0.07, 0.00, 0.68, 0.32
HSL	67°, 51%, 45%
HSV	67°, 68%, 68%
XYZ	30.5515, 38.1347, 9.4907
YIQ	156.6610, 30.1300, -39.4540

Conversions

Conversions Part 2

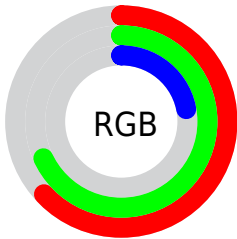
Format	Color
RYB	56, 174, 69
Decimal	10595896
CIELab	68.12, -20.08, 56.36
CIELCh	68, 59.828, 109.610
Yxy	38.1347, 0.3908, 0.4878
Android (android.graphics.Color)	4288785976 (0xFFA1AE38)
YUV	156.6610, -49.6259, 3.8053
Hunter-Lab	61.7533, -19.7580, 34.1152

Details

The Yxy color **38.1347, 0.3908, 0.4878** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.1477, 0.1935, 0.1202**, and the grayscale version is **33.7759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0698, 0.3798, 0.4581**, and **16.9832, 0.3972, 0.5228** is the 20% darker color. If you saturate the color by 10%, you get **37.7975, 0.3964, 0.5025**, and if you desaturate by 10%, it is **38.5376, 0.3828, 0.4692**.

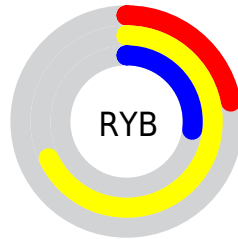
Distribution



Red (63%)

Green (68%)

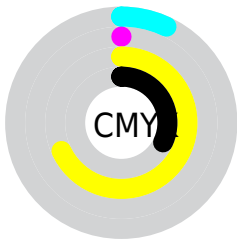
Blue (22%)



Red (22%)

Yellow (68%)

Blue (27%)

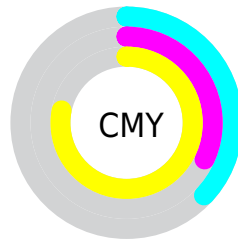


Cyan (7%)

Magenta (0%)

Yellow (68%)

Black (32%)



Cyan (37%)

Magenta (32%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1347, 0.3908, 0.4878 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 38.1347, 0.3908, 0.4878 by changing the saturation by 10% instead.


 38.1347, 0.3908,
0.4878


 38.1347, 0.3908,
0.4878


338.1974, 0.3562,
0.4065

 26.0873, 0.3966,
0.5070


 72.3146, 0.3800,
0.4587


 16.8889, 0.4019,
0.5301


 95.2157, 0.3754,
0.4476

 10.1553, 0.4053,
0.5586


 122.5036, 0.3712,
0.4381


 5.5021, 0.4048,
0.5952

 154.5626, 0.3675,
0.4300

 2.5447, 0.3796,
0.6204

 191.7771, 0.3642,
0.4229

 0.8990, 0.2883,
0.7117

 234.5315, 0.3613,

 0.0000, 0.0000,

0.4168

0.0000

283.2101, 0.3586,
0.4113

■ 38.1347, 0.3908,
0.4878

■ 38.1347, 0.3908,
0.4878

■ 37.7975, 0.3964,
0.5025

■ 38.5376, 0.3828,
0.4692

■ 37.5144, 0.3994,
0.5128

■ 39.0064, 0.3728,
0.4475

■ 37.2766, 0.4002,
0.5192

■ 39.5479, 0.3613,
0.4235

■ 37.2270, 0.4002,
0.5204

■ 40.1664, 0.3488,
0.3983

■ 40.8661, 0.3358,
0.3729

■ 41.6507, 0.3227,
0.3479

■ 42.5237, 0.3100,
0.3239

■ 43.4884, 0.2978,
0.3013

■ 44.5481, 0.2863,
0.2803

Harmonies

Analogous

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



38.1347, 0.4579, 0.4412



38.1347, 0.3908, 0.4878



38.1347, 0.3079, 0.4846

Triad

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



38.1347, 0.3908, 0.4878



38.1347, 0.1632, 0.2411



38.1347, 0.3884, 0.2602

Complementary

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



38.1347, 0.3908, 0.4878



7.1477, 0.1935, 0.1202

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.



38.1347, 0.2965, 0.2187



38.1347, 0.3908, 0.4878



38.1347, 0.1774, 0.2044

Square

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



38.1347, 0.3908, 0.4878



38.1347, 0.1801, 0.3146



38.1347, 0.2220, 0.1987



38.1347, 0.4636, 0.3162

Rectangle

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



38.1347, 0.3908, 0.4878



38.1347, 0.2543, 0.4429



38.1347, 0.2220, 0.1987



38.1347, 0.3576, 0.2444

Sweetspot

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



38.1364, 0.3908, 0.4878



73.7934, 0.3391, 0.3793



13.3934, 0.5202, 0.3445



16.3227, 0.3427, 0.3863



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



38.1364, 0.3908, 0.4878



68.3144, 0.3981, 0.5078



33.4519, 0.3355, 0.5228



9.2848, 0.3246, 0.3515



27.0176, 0.4004, 0.5202



0.7641, 0.4065, 0.5154

Inverse Universe

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



7.1477, 0.1935, 0.1202



8.3474, 0.1705, 0.0847



10.3801, 0.2566, 0.1499



7.7978, 0.3002, 0.3057



2.3315, 0.1546, 0.0625



0.0779, 0.1725, 0.0724

Previews

White Background



This preview shows how the Yxy color 38.1347, 0.3908, 0.4878 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 38.1347, 0.3908, 0.4878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

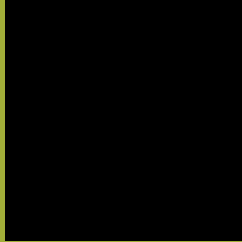
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1347, 0.3908, 0.4878

Background



This preview shows how black text looks on a background with the Yxy color 38.1347, 0.3908, 0.4878.



This preview shows how white text looks on a background with the Yxy color 38.1347, 0.3908, 0.4878.

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

38.1347, 0.3908, 0.4878

Protanopia

37.9779, 0.4238, 0.4658

Deuteranopia

38.0669, 0.4476, 0.4388



Tritanopia

38.1738, 0.3116, 0.3125

Trichromacy



Original Color

38.1347, 0.3908, 0.4878

Protanomaly

37.9989, 0.4115, 0.4737

Deuteranomaly

37.8243, 0.4263, 0.4565

Tritanomaly

37.7384, 0.3456, 0.3797

Monochromacy



Original Color

38.1347, 0.3908, 0.4878

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.8196, 0.3465, 0.3944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1347, 0.3908, 0.4878 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(161, 174, 56)` looks like.

```
.text, #text, p{  
    color:rgb(161, 174, 56)  
}
```

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(161, 174, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 174, 56) }
```

Border

The CSS property to change the border of an element to Yxy 38.1347, 0.3908, 0.4878 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(161, 174, 56) }
```

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

```
.border{ border-color:rgb(161, 174, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 174, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 174, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 174, 56);  
box-shadow:4px 4px 4px 4px rgb(161, 174,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1347, 0.3908, 0.4878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 174, 56) }
```

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

```
.background{ background-color: rgb(161,  
174, 56) }
```

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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