

Converting Colors

$Y_{xy}(38.1138, 0.4085, 0.4601)$

Have a look what the booklet for
Yxy(38.1138, 0.4085, 0.4601)
contains.

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Color

Yxy(38.1138, 0.4085, 0.4601)

Conversions

Conversions Part 1

Format	Color
Hex	B4A843
RGB	180, 168, 67
RGB Percent	71%, 66%, 26%
CMY	0.2941, 0.3412, 0.7372
CMYK	0.00, 0.07, 0.63, 0.29
HSL	54°, 46%, 48%
HSV	54°, 63%, 71%
XYZ	33.8394, 38.1138, 10.8849
YIQ	160.0740, 39.5730, -28.8670

Conversions

Conversions Part 2

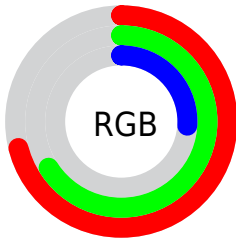
Format	Color
RYB	80, 180, 67
Decimal	11839555
CIELab	68.10, -8.14, 52.19
CIElCh	68, 52.817, 98.869
Yxy	38.1138, 0.4085, 0.4601
Android (android.graphics.Color)	4290029635 (0xFFB4A843)
YUV	160.0740, -45.8855, 17.4751
Hunter-Lab	61.7364, -10.1980, 32.7619

Details

The Yxy color **38.1138, 0.4085, 0.4601** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.0834, 0.1967, 0.1486**, and the grayscale version is **35.3935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2844, 0.3932, 0.4374**, and **16.7934, 0.4282, 0.4925** is the 20% darker color. If you saturate the color by 10%, you get **37.2312, 0.4202, 0.4736**, and if you desaturate by 10%, it is **39.0775, 0.3948, 0.4430**.

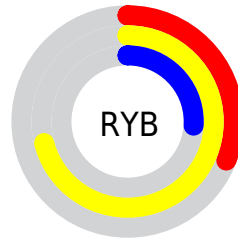
Distribution



Red (71%)

Green (66%)

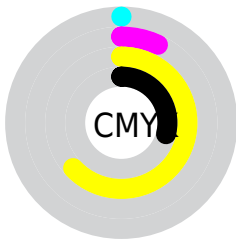
Blue (26%)



Red (31%)

Yellow (71%)

Blue (26%)

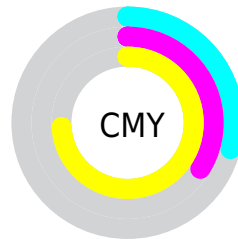


Cyan (0%)

Magenta (7%)

Yellow (63%)

Black (29%)



Cyan (29%)


Magenta (34%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1138, 0.4085, 0.4601 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 38.1138, 0.4085, 0.4601 by changing the saturation by 10% instead.


 38.1138, 0.4085,
0.4601


 38.1138, 0.4085,
0.4601


338.1079, 0.3630,
0.3947

 26.0710, 0.4179,
0.4751


 72.2825, 0.3932,
0.4370


 16.8768, 0.4282,
0.4928


 95.1773, 0.3870,
0.4281

 10.1467, 0.4387,
0.5135


 122.4581, 0.3817,
0.4205

 5.4963, 0.4546,
0.5454

 154.5095, 0.3770,
0.4139

 2.5413, 0.4448,
0.5552

 191.7158, 0.3728,
0.4081

 0.8973, 0.4216,
0.5784

234.4613, 0.3692,

 0.0000, 0.0000,

0.4031

0.0000

283.1306, 0.3659,
0.3986

■ 38.1138, 0.4085,
0.4601

■ 38.1138, 0.4085,
0.4601

■ 37.2312, 0.4202,
0.4736

■ 39.0775, 0.3948,
0.4430

■ 36.4178, 0.4293,
0.4829

■ 40.1227, 0.3797,
0.4232

■ 35.6676, 0.4358,
0.4878

■ 41.2561, 0.3638,
0.4017

■ 35.1532, 0.4392,
0.4894

■ 42.4825, 0.3477,
0.3793

■ 43.8060, 0.3319,
0.3568

■ 45.2307, 0.3168,
0.3349

■ 46.7604, 0.3025,
0.3140

■ 48.3986, 0.2893,
0.2943

■ 50.1486, 0.2772,
0.2760

Harmonies

Analogous

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



38.1138, 0.4576, 0.4129



38.1138, 0.4085, 0.4601



38.1138, 0.3373, 0.4732

Triad

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



38.1138, 0.4085, 0.4601



38.1138, 0.1799, 0.2716



38.1138, 0.3509, 0.2519

Complementary

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



38.1138, 0.4085, 0.4601



10.0834, 0.1967, 0.1486

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.



38.1138, 0.2723, 0.2203



38.1138, 0.4085, 0.4601



38.1138, 0.1826, 0.2259

Square

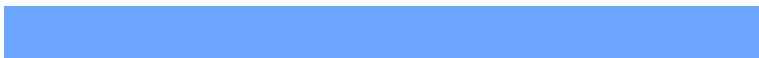
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.1138, 0.4085, 0.4601



38.1138, 0.2071, 0.3473



38.1138, 0.2137, 0.2103



38.1138, 0.4262, 0.2995

Rectangle

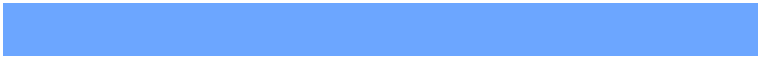
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.1138, 0.4085, 0.4601



38.1138, 0.2871, 0.4505



38.1138, 0.2137, 0.2103



38.1138, 0.3236, 0.2393

Sweetspot

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



38.1156, 0.4085, 0.4601



77.8316, 0.3422, 0.3715



14.3019, 0.4866, 0.3123



16.6792, 0.3467, 0.3779



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.1156, 0.4085, 0.4601



66.9718, 0.4237, 0.4774



38.3424, 0.3575, 0.4966



9.7494, 0.3266, 0.3492



24.5920, 0.4390, 0.4897



0.8176, 0.4328, 0.4945

Inverse Universe

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



10.0834, 0.1967, 0.1486



12.2497, 0.1743, 0.1101



10.6473, 0.2331, 0.1485



8.3707, 0.2985, 0.3080



2.6780, 0.1524, 0.0687



0.1312, 0.1613, 0.1006

Previews

White Background



This preview shows how the Yxy color 38.1138, 0.4085, 0.4601 looks on a white background.

Color Contrast Check

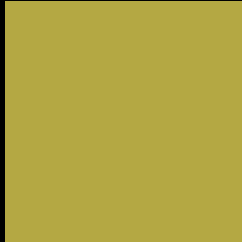
Large Text (above 18pt) WCAG AA × Fail

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 38.1138, 0.4085, 0.4601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

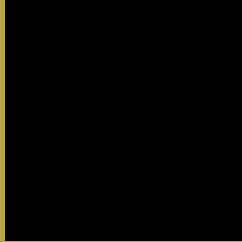
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1138, 0.4085, 0.4601

Background



This preview shows how black text looks on a background with the Yxy color 38.1138, 0.4085, 0.4601.



This preview shows how white text looks on a background with the Yxy color 38.1138, 0.4085, 0.4601.

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

38.1138, 0.4085, 0.4601

Protanopia

37.9920, 0.4152, 0.4552

Deuteranopia

38.0177, 0.4413, 0.4326



Tritanopia

38.1748, 0.3320, 0.3131

Trichromacy



Original Color

38.1138, 0.4085, 0.4601

Protanomaly

38.1100, 0.4124, 0.4574

Deuteranomaly

38.1406, 0.4295, 0.4425

Tritanomaly

37.9732, 0.3634, 0.3689

Monochromacy



Original Color

38.1138, 0.4085, 0.4601

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.9162, 0.3502, 0.3835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1138, 0.4085, 0.4601 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(180, 168, 67)` looks like.

```
.text, #text, p{  
    color:rgb(180, 168, 67)  
}
```

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(180, 168, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 168, 67) }
```

Border

The CSS property to change the border of an element to Yxy 38.1138, 0.4085, 0.4601 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(180, 168, 67) }
```

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

```
.border{ border-color:rgb(180, 168, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 168, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 168, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 168, 67);  
box-shadow:4px 4px 4px 4px rgb(180, 168,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1138, 0.4085, 0.4601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 168, 67) }
```

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

```
.background{ background-color: rgb(180,  
168, 67) }
```

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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