

Converting Colors

$Yxy(38.0069, 0.4222, 0.4634)$

Have a look what the booklet for
Yxy(38.0069, 0.4222, 0.4634)
contains.

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Color

Yxy(38.0069, 0.4222, 0.4634)

Conversions

Conversions Part 1

Format	Color
Hex	BAA639
RGB	186, 166, 57
RGB Percent	73%, 65%, 22%
CMY	0.2705, 0.3490, 0.7764
CMYK	0.00, 0.11, 0.69, 0.27
HSL	51°, 53%, 48%
HSV	51°, 69%, 73%
XYZ	34.6278, 38.0069, 9.3828
YIQ	159.5540, 46.9090, -29.6590

Conversions

Conversions Part 2

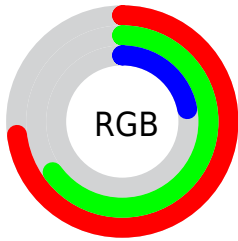
Format	Color
RYB	81, 186, 57
Decimal	12232249
CIELab	68.03, -5.07, 56.53
CIELCh	68, 56.760, 95.127
Yxy	38.0069, 0.4222, 0.4634
Android (android.graphics.Color)	4290422329 (0xFFBAA639)
YUV	159.5540, -50.5591, 23.1931
Hunter-Lab	61.6497, -7.6261, 34.1312

Details

The Yxy color **38.0069, 0.4222, 0.4634** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.7279, 0.1871, 0.1378**, and the grayscale version is **35.1608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2512, 0.4050, 0.4411**, and **16.7018, 0.4406, 0.4883** is the 20% darker color. If you saturate the color by 10%, you get **36.8181, 0.4338, 0.4736**, and if you desaturate by 10%, it is **39.2909, 0.4083, 0.4492**.

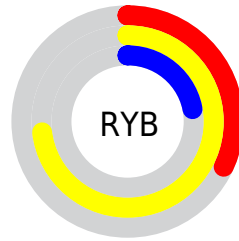
Distribution



Red (73%)

Green (65%)

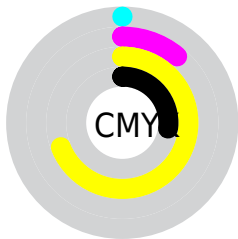
Blue (22%)



Red (32%)

Yellow (73%)

Blue (22%)

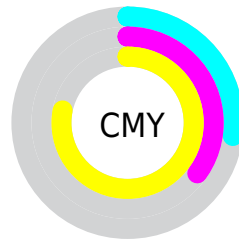


Cyan (0%)

Magenta (11%)

Yellow (69%)

Black (27%)



Cyan (27%)


Magenta (35%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0069, 0.4222, 0.4634 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 38.0069, 0.4222, 0.4634 by changing the saturation by 10% instead.


 38.0069, 0.4222,
0.4634


 38.0069, 0.4222,
0.4634


 337.6496, 0.3705,
0.3979


 25.9880, 0.4326,
0.4775


 72.1187, 0.4050,
0.4409


 16.8147, 0.4439,
0.4937


 94.9805, 0.3980,
0.4319


 10.1025, 0.4557,
0.5122


 122.2253, 0.3919,
0.4242

 5.4669, 0.4670,
0.5330

 154.2376, 0.3865,
0.4176

 2.5238, 0.4610,
0.5390

 191.4018, 0.3818,
0.4117

 0.8885, 0.4479,
0.5521

 234.1023, 0.3776,

 0.0000, 0.0000,

0.4065

0.0000

282.7234, 0.3739,
0.4020

■ 38.0069, 0.4222,
0.4634

■ 38.0069, 0.4222,
0.4634

■ 36.8181, 0.4338,
0.4736

■ 39.2909, 0.4083,
0.4492

■ 35.7110, 0.4428,
0.4793

■ 40.6715, 0.3927,
0.4317

■ 34.6727, 0.4492,
0.4811

■ 42.1564, 0.3761,
0.4120

■ 34.6066, 0.4496,
0.4812

■ 43.7512, 0.3593,
0.3910

■ 45.4608, 0.3427,
0.3695

■ 47.2899, 0.3268,
0.3482

■ 49.2427, 0.3118,
0.3277

■ 51.3233, 0.2979,
0.3083

■ 53.5356, 0.2851,
0.2901

Harmonies

Analogous

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



38.0069, 0.4712, 0.4094



38.0069, 0.4222, 0.4634



38.0069, 0.3479, 0.4860

Triad

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



38.0069, 0.4222, 0.4634



38.0069, 0.1733, 0.2752



38.0069, 0.3423, 0.2417

Complementary

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



38.0069, 0.4222, 0.4634



9.7279, 0.1871, 0.1378

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.



38.0069, 0.2599, 0.2110



38.0069, 0.4222, 0.4634



38.0069, 0.1727, 0.2229

Square

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



38.0069, 0.4222, 0.4634



38.0069, 0.2056, 0.3599



38.0069, 0.2016, 0.2034



38.0069, 0.4261, 0.2901

Rectangle

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



38.0069, 0.4222, 0.4634



38.0069, 0.2942, 0.4678



38.0069, 0.2016, 0.2034



38.0069, 0.3131, 0.2292

Sweetspot

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



38.0087, 0.4222, 0.4634



81.7482, 0.3460, 0.3738



13.9260, 0.5045, 0.3040



17.8110, 0.3506, 0.3797



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.



38.0087, 0.4222, 0.4634



65.6958, 0.4387, 0.4770



41.2616, 0.3651, 0.5083



10.2595, 0.3267, 0.3482



23.3667, 0.4492, 0.4816



0.8884, 0.4403, 0.4886

Inverse Universe

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



9.7279, 0.1871, 0.1378



11.5855, 0.1661, 0.0996



9.1833, 0.2159, 0.1272



8.9385, 0.2984, 0.3091



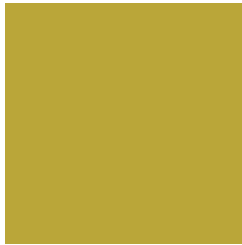
3.0440, 0.1540, 0.0745



0.1786, 0.1652, 0.1146

Previews

White Background



This preview shows how the Yxy color 38.0069, 0.4222, 0.4634 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 38.0069, 0.4222, 0.4634 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 38.0069, 0.4222, 0.4634

Background



This preview shows how black text looks on a background with the Yxy color 38.0069, 0.4222, 0.4634.



This preview shows how white text looks on a background with the Yxy color 38.0069, 0.4222, 0.4634.

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

38.0069, 0.4222, 0.4634

Protanopia

37.8821, 0.4212, 0.4640

Deuteranopia

38.0454, 0.4488, 0.4404



Tritanopia

37.8348, 0.3413, 0.3134

Trichromacy



Original Color

38.0069, 0.4222, 0.4634

Protanomaly

37.8821, 0.4212, 0.4640

Deuteranomaly

37.9476, 0.4387, 0.4489

Tritanomaly

37.5350, 0.3766, 0.3723

Monochromacy



Original Color

38.0069, 0.4222, 0.4634

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.7057, 0.3554, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0069, 0.4222, 0.4634 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(186, 166, 57)` looks like.

```
.text, #text, p{  
    color:rgb(186, 166, 57)  
}
```

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(186, 166, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 166, 57) }
```

Border

The CSS property to change the border of an element to Yxy 38.0069, 0.4222, 0.4634 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(186, 166, 57) }
```

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

```
.border{ border-color:rgb(186, 166, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 166, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 166, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 166, 57);  
box-shadow:4px 4px 4px 4px rgb(186, 166,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0069, 0.4222, 0.4634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 166, 57) }
```

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

```
.background{ background-color: rgb(186,  
166, 57) }
```

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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