

Converting Colors

$Yxy(38.0980, 0.3786, 0.4383)$

Have a look what the booklet for
Yxy(38.0980, 0.3786, 0.4383)
contains.

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Color

Yxy(38.0858, 0.3785, 0.4378)

Conversions

Conversions Part 1

Format	Color
Hex	AAAA5D
RGB	170, 170, 93
RGB Percent	67%, 67%, 36%
CMY	0.3334, 0.3333, 0.6351
CMYK	0.00, 0.00, 0.45, 0.33
HSL	60°, 31%, 52%
HSV	60°, 45%, 67%
XYZ	32.9271, 38.0858, 15.9807
YIQ	161.2220, 24.7170, -23.9470

Conversions

Conversions Part 2

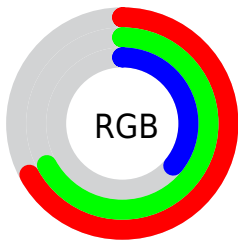
Format	Color
RYB	93, 170, 93
Decimal	11184733
CIELab	68.08, -11.27, 39.47
CIELCh	68, 41.051, 105.931
Yxy	38.0858, 0.3785, 0.4378
Android (android.graphics.Color)	4289374813 (0xFFAAAA5D)
YUV	161.2220, -33.6334, 7.6983
Hunter-Lab	61.7137, -12.7610, 27.8465

Details

The Yxy color **38.0858, 0.3785, 0.4378** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.0688, 0.2291, 0.1908**, and the grayscale version is **35.9016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2257, 0.3676, 0.4167**, and **16.8517, 0.3940, 0.4697** is the 20% darker color. If you saturate the color by 10%, you get **37.8183, 0.3909, 0.4583**, and if you desaturate by 10%, it is **38.4237, 0.3647, 0.4150**.

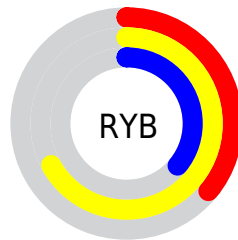
Distribution



Red (67%)

Green (67%)

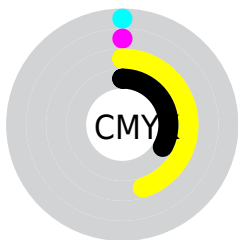
Blue (36%)



Red (36%)

Yellow (67%)

Blue (36%)

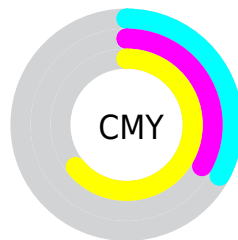


Cyan (0%)

Magenta (0%)

Yellow (45%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0858, 0.3785, 0.4378 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 38.0858, 0.3785, 0.4378 by changing the saturation by 10% instead.

 38.0858, 0.3785,
0.4378


 38.0858, 0.3785,
0.4378


337.9879, 0.3465,
0.3815

 26.0493, 0.3857,
0.4520


 72.2396, 0.3673,
0.4171


 16.8605, 0.3942,
0.4699


 95.1257, 0.3630,
0.4094

 10.1351, 0.4039,
0.4931

 122.3972, 0.3592,
0.4029

 5.4886, 0.4153,
0.5249

 154.4383, 0.3560,
0.3973

 2.5367, 0.4280,
0.5720

191.6335, 0.3532,
0.3925

 0.8950, 0.3914,
0.6086

234.3673, 0.3507,

 0.0000, 0.0000,

0.3884

0.0000

283.0239, 0.3484,
0.3847

■ 38.0858, 0.3785,
0.4378

■ 38.0858, 0.3785,
0.4378

■ 37.8183, 0.3909,
0.4583

■ 38.4237, 0.3647,
0.4150

■ 37.6116, 0.4013,
0.4756

■ 38.8310, 0.3501,
0.3908

■ 37.4623, 0.4095,
0.4891


■ 39.3131, 0.3351,
0.3661


■ 37.3647, 0.4151,
0.4983

■ 39.8734, 0.3203,
0.3416

■ 37.3114, 0.4182,
0.5035


■ 40.5153, 0.3060,
0.3180

 37.2936, 0.4193,
0.5053

 41.2419, 0.2925,
0.2956

 42.0561, 0.2799,
0.2747

 42.9606, 0.2683,
0.2555

 43.9581, 0.2576,
0.2379

Harmonies

Analogous

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



38.0858, 0.4215, 0.4087



38.0858, 0.3785, 0.4378



38.0858, 0.3202, 0.4347

Triad

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



38.0858, 0.3785, 0.4378



38.0858, 0.2041, 0.2747



38.0858, 0.3581, 0.2756

Complementary

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



38.0858, 0.3785, 0.4378



13.0688, 0.2291, 0.1908

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.



38.0858, 0.2954, 0.2458



38.0858, 0.3785, 0.4378



38.0858, 0.2117, 0.2422

Square

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



38.0858, 0.3785, 0.4378



38.0858, 0.2215, 0.3294



38.0858, 0.2432, 0.2334



38.0858, 0.4114, 0.3174

Rectangle

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



38.0858, 0.3785, 0.4378



38.0858, 0.2809, 0.4101



38.0858, 0.2432, 0.2334



38.0858, 0.3371, 0.2640

Sweetspot

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



38.0875, 0.3785, 0.4378



71.4198, 0.3336, 0.3635



17.1737, 0.4310, 0.3294



15.8826, 0.3367, 0.3687



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



38.0875, 0.3785, 0.4378



68.6238, 0.3905, 0.4577



34.4104, 0.3401, 0.4536



8.7737, 0.3262, 0.3513



27.4311, 0.4193, 0.5053



0.6674, 0.4193, 0.5053

Inverse Universe

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



13.0688, 0.2291, 0.1908



17.6084, 0.2087, 0.1570



15.6056, 0.2706, 0.2049



7.3007, 0.2986, 0.3057



2.1352, 0.1500, 0.0600



0.0520, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 38.0858, 0.3785, 0.4378 looks on a white background.

Color Contrast Check

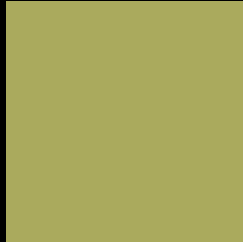
Large Text (above 18pt) WCAG AA × Fail

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 38.0858, 0.3785, 0.4378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

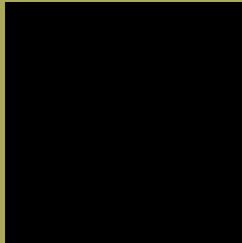
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0858, 0.3785, 0.4378

Background



This preview shows how black text looks on a background with the Yxy color 38.0858, 0.3785, 0.4378.



This preview shows how white text looks on a background with the Yxy color 38.0858, 0.3785, 0.4378.

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

38.0858, 0.3785, 0.4378

Protanopia

37.9902, 0.3940, 0.4294

Deuteranopia

37.8548, 0.4166, 0.4076



Tritanopia

38.0906, 0.3192, 0.3127

Trichromacy



Original Color

38.0858, 0.3785, 0.4378

Protanomaly

37.8751, 0.3893, 0.4322

Deuteranomaly

37.6140, 0.4024, 0.4179

Tritanomaly

37.7946, 0.3424, 0.3573

Monochromacy



Original Color

38.0858, 0.3785, 0.4378

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.2210, 0.3377, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0858, 0.3785, 0.4378 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(170, 170, 93)` looks like.

```
.text, #text, p{  
    color:rgb(170, 170, 93)  
}
```

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(170, 170, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 170, 93) }
```

Border

The CSS property to change the border of an element to Yxy 38.0858, 0.3785, 0.4378 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(170, 170, 93) }
```

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

```
.border{ border-color:rgb(170, 170, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 170, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 170, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 170, 93);  
box-shadow:4px 4px 4px 4px rgb(170, 170,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0858, 0.3785, 0.4378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 170, 93) }
```

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

```
.background{ background-color: rgb(170,  
170, 93) }
```

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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