

Converting Colors

$Y_{xy}(38.0562, 0.3797, 0.4654)$

Have a look what the booklet for
Yxy(38.0562, 0.3797, 0.4654)
contains.

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Color

Yxy(38.0000, 0.3792, 0.4651)

Conversions

Conversions Part 1

Format	Color
Hex	A1AD4D
RGB	161, 173, 77
RGB Percent	63%, 68%, 30%
CMY	0.3686, 0.3216, 0.6981
CMYK	0.07, 0.00, 0.55, 0.32
HSL	67°, 38%, 49%
HSV	67°, 55%, 68%
XYZ	30.9817, 38.0000, 12.7211
YIQ	158.4680, 23.6640, -32.4000

Conversions

Conversions Part 2

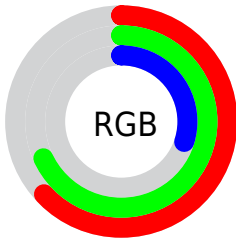
Format	Color
RYB	77, 173, 89
Decimal	10595661
CIELab	68.02, -18.05, 47.09
CIElCh	68, 50.432, 110.974
Yxy	38.0000, 0.3792, 0.4651
Android (android.graphics.Color)	4288785741 (0xFFA1AD4D)
YUV	158.4680, -40.1637, 2.2206
Hunter-Lab	61.6441, -18.1649, 30.9156

Details

The Yxy color **38.0000, 0.3792, 0.4651** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.4473, 0.2183, 0.1594**, and the grayscale version is **34.5949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9772, 0.3695, 0.4387**, and **16.8707, 0.3911, 0.5046** is the 20% darker color. If you saturate the color by 10%, you get **37.5663, 0.3874, 0.4848**, and if you desaturate by 10%, it is **38.5060, 0.3691, 0.4425**.

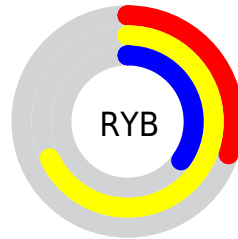
Distribution



Red (63%)

Green (68%)

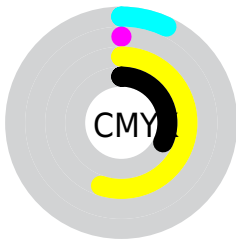
Blue (30%)



Red (30%)

Yellow (68%)

Blue (35%)

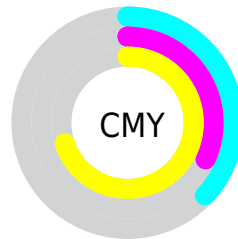


Cyan (7%)

Magenta (0%)

Yellow (55%)

Black (32%)



Cyan (37%)


Magenta (32%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0000, 0.3792, 0.4651 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 38.0000, 0.3792, 0.4651 by changing the saturation by 10% instead.


 38.0000, 0.3792,
0.4651


 38.0000, 0.3792,
0.4651


 337.6200, 0.3484,
0.3943


 25.9827, 0.3852,
0.4827

 72.1081, 0.3690,
0.4392


 16.8107, 0.3916,
0.5048

 94.9678, 0.3649,
0.4295


 10.0996, 0.3974,
0.5326


 122.2103, 0.3612,
0.4213

 5.4651, 0.4095,
0.5815

 154.2201, 0.3580,
0.4143

 2.5226, 0.3906,
0.6094

 191.3815, 0.3552,
0.4083

 0.8879, 0.3123,
0.6877

234.0791, 0.3527,

 0.0000, 0.0000,

0.4030

0.0000

282.6971, 0.3504,
0.3984

■ 38.0000, 0.3792,
0.4651

■ 38.0000, 0.3792,
0.4651

■ 37.5663, 0.3874,
0.4848

■ 38.5060, 0.3691,
0.4425

■ 37.1945, 0.3933,
0.5008

■ 39.0838, 0.3575,
0.4180

■ 36.8801, 0.3967,
0.5125

■ 39.7396, 0.3451,
0.3925

■ 36.6155, 0.3976,
0.5199

■ 40.4771, 0.3323,
0.3670

■ 36.5046, 0.3976,
0.5225

■ 41.3001, 0.3196,
0.3422

■ 42.2121, 0.3072,
0.3185

■ 43.2161, 0.2954,
0.2963

■ 44.3155, 0.2843,
0.2758

■ 45.5129, 0.2740,
0.2569

Harmonies

Analogous

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



38.0000, 0.4368, 0.4307



38.0000, 0.3792, 0.4651



38.0000, 0.3075, 0.4561

Triad

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



38.0000, 0.3792, 0.4651



38.0000, 0.1825, 0.2529



38.0000, 0.3806, 0.2720

Complementary

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



38.0000, 0.3792, 0.4651



10.4473, 0.2183, 0.1594

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.



38.0000, 0.3032, 0.2344



38.0000, 0.3792, 0.4651



38.0000, 0.1963, 0.2207

Square

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



38.0000, 0.3792, 0.4651



38.0000, 0.1971, 0.3150



38.0000, 0.2374, 0.2158



38.0000, 0.4422, 0.3224

Rectangle

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



38.0000, 0.3792, 0.4651



38.0000, 0.2614, 0.4200



38.0000, 0.2374, 0.2158



38.0000, 0.3549, 0.2577

Sweetspot

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



38.0017, 0.3792, 0.4651



72.2410, 0.3346, 0.3716



16.4316, 0.4644, 0.3456



15.6430, 0.3371, 0.3765



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.



38.0017, 0.3792, 0.4651



67.0882, 0.3892, 0.4895



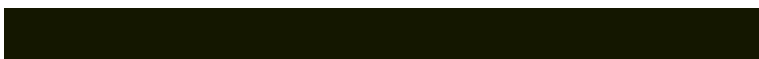
33.9878, 0.3336, 0.4887



9.2787, 0.3244, 0.3515



26.8340, 0.3978, 0.5223



0.7604, 0.4048, 0.5168

Inverse Universe

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



10.4473, 0.2183, 0.1594



12.6268, 0.1944, 0.1200



13.5749, 0.2716, 0.1809



7.8034, 0.3004, 0.3057



2.3530, 0.1554, 0.0630



0.0802, 0.1754, 0.0740

Previews

White Background



This preview shows how the Yxy color 38.0000, 0.3792, 0.4651 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 38.0000, 0.3792, 0.4651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

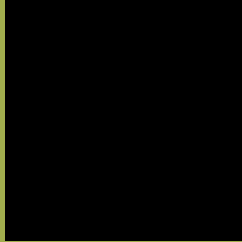
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0000, 0.3792, 0.4651

Background



This preview shows how black text looks on a background with the Yxy color 38.0000, 0.3792, 0.4651.



This preview shows how white text looks on a background with the Yxy color 38.0000, 0.3792, 0.4651.

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

38.0000, 0.3792, 0.4651

Protanopia

37.9708, 0.4089, 0.4478

Deuteranopia

37.8852, 0.4311, 0.4230



Tritanopia

38.0602, 0.3107, 0.3124

Trichromacy



Original Color

38.0000, 0.3792, 0.4651

Protanomaly

38.1278, 0.3978, 0.4541

Deuteranomaly

37.4649, 0.4117, 0.4371

Tritanomaly

37.8263, 0.3383, 0.3696

Monochromacy



Original Color

38.0000, 0.3792, 0.4651

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.1503, 0.3393, 0.3804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0000, 0.3792, 0.4651 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, 173, 77)` looks like.

```
.text, #text, p{  
    color:rgb(161, 173, 77)  
}
```

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, 173, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 173, 77) }
```

Border

The CSS property to change the border of an element to Yxy 38.0000, 0.3792, 0.4651 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, 173, 77) }
```

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

```
.border{ border-color:rgb(161, 173, 77) }
```

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

Here you see how a box with a 4 pixel rgb(161, 173, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 173, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 173, 77);  
box-shadow:4px 4px 4px 4px rgb(161, 173,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0000, 0.3792, 0.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 173, 77) }
```

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

```
.background{ background-color: rgb(161,  
173, 77) }
```

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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