

Converting Colors

$Y_{xy}(35.2678, 0.3833, 0.4592)$

Have a look what the booklet for
Yxy(35.2678, 0.3833, 0.4592)
contains.

Yxy(35.2678, 0.3833, 0.4592)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.2678, 0.3833, 0.4592)

Conversions

Conversions Part 1

Format	Color
Hex	A0A64C
RGB	160, 166, 76
RGB Percent	63%, 65%, 30%
CMY	0.3725, 0.3490, 0.7019
CMYK	0.04, 0.00, 0.54, 0.35
HSL	64°, 37%, 47%
HSV	64°, 54%, 65%
XYZ	29.4385, 35.2678, 12.0964
YIQ	153.9460, 25.3140, -29.2620

Conversions

Conversions Part 2

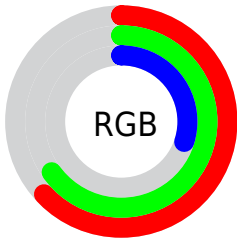
Format	Color
RYB	76, 166, 82
Decimal	10528332
CIELab	65.96, -14.97, 45.16
CIELCh	66, 47.574, 108.336
Yxy	35.2678, 0.3833, 0.4592
Android (android.graphics.Color)	4288718412 (0xFFA0A64C)
YUV	153.9460, -38.4274, 5.3094
Hunter-Lab	59.3867, -15.4428, 29.4940

Details

The Yxy color **35.2678, 0.3833, 0.4592** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.7198, 0.2161, 0.1622**, and the grayscale version is **32.4550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8703, 0.3713, 0.4339**, and **15.1647, 0.3983, 0.4981** is the 20% darker color. If you saturate the color by 10%, you get **34.9538, 0.3928, 0.4782**, and if you desaturate by 10%, it is **35.6456, 0.3719, 0.4373**.

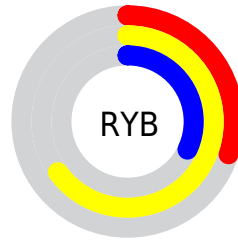
Distribution



Red (63%)

Green (65%)

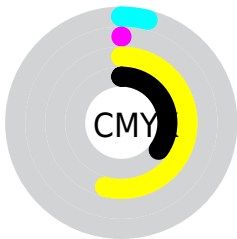
Blue (30%)



Red (30%)

Yellow (65%)

Blue (32%)

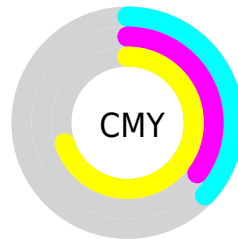


Cyan (4%)

Magenta (0%)

Yellow (54%)

Black (35%)



Cyan (37%)


Magenta (35%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2678, 0.3833, 0.4592 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 35.2678, 0.3833, 0.4592 by changing the saturation by 10% instead.


 35.2678, 0.3833,
0.4592


 35.2678, 0.3833,
0.4592


325.7488, 0.3496,
0.3910

 23.8692, 0.3903,
0.4763


 67.9004, 0.3719,
0.4341

 15.2366, 0.3980,
0.4978


 89.9033, 0.3673,
0.4248

 8.9856, 0.4054,
0.5249


 116.2097, 0.3633,
0.4169

 4.7318, 0.4231,
0.5769

 147.2040, 0.3599,
0.4102

 2.0908, 0.4023,
0.5977

 183.2707, 0.3568,
0.4044

 0.6594, 0.2839,
0.7161

224.7942, 0.3541,

 0.0000, 0.0000,

0.3994

0.0000

272.1587, 0.3517,
0.3949

■ 35.2678, 0.3833,
0.4592

■ 35.2678, 0.3833,
0.4592

■ 34.9538, 0.3928,
0.4782

■ 35.6456, 0.3719,
0.4373

■ 34.6942, 0.4001,
0.4935

■ 36.0866, 0.3592,
0.4134

■ 34.4850, 0.4048,
0.5046

■ 36.5961, 0.3457,
0.3886

■ 34.3199, 0.4071,
0.5115

■ 37.1778, 0.3320,
0.3635

■ 34.2352, 0.4078,
0.5144

■ 37.8348, 0.3183,
0.3390

■ 38.5703, 0.3052,
0.3156

■ 39.3871, 0.2927,
0.2935

■ 40.2880, 0.2810,
0.2731

■ 41.2755, 0.2702,
0.2543

Harmonies

Analogous

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



35.2678, 0.4369, 0.4241



35.2678, 0.3833, 0.4592



35.2678, 0.3142, 0.4544

Triad

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



35.2678, 0.3833, 0.4592



35.2678, 0.1862, 0.2596



35.2678, 0.3720, 0.2699

Complementary

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



35.2678, 0.3833, 0.4592



9.7198, 0.2161, 0.1622

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.



35.2678, 0.2973, 0.2346



35.2678, 0.3833, 0.4592



35.2678, 0.1973, 0.2255

Square

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



35.2678, 0.3833, 0.4592



35.2678, 0.2032, 0.3222



35.2678, 0.2351, 0.2184



35.2678, 0.4340, 0.3183

Rectangle

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



35.2678, 0.3833, 0.4592



35.2678, 0.2688, 0.4224



35.2678, 0.2351, 0.2184



35.2678, 0.3470, 0.2563

Sweetspot

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



35.2694, 0.3833, 0.4592



67.2391, 0.3348, 0.3687



14.6669, 0.4627, 0.3385



14.9991, 0.3376, 0.3737



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



35.2694, 0.3833, 0.4592



63.3328, 0.3945, 0.4816



31.4415, 0.3376, 0.4822



8.7480, 0.3252, 0.3514



26.5545, 0.4079, 0.5143



0.6534, 0.4119, 0.5111

Inverse Universe

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



9.7198, 0.2161, 0.1622



12.0903, 0.1927, 0.1237



12.4378, 0.2673, 0.1824



7.3236, 0.2996, 0.3057



2.1986, 0.1527, 0.0615



0.0607, 0.1646, 0.0681

Previews

White Background



This preview shows how the Yxy color 35.2678, 0.3833, 0.4592 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 35.2678, 0.3833, 0.4592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

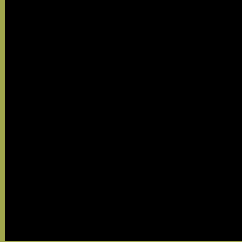
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2678, 0.3833, 0.4592

Background



This preview shows how black text looks on a background with the Yxy color 35.2678, 0.3833, 0.4592.



This preview shows how white text looks on a background with the Yxy color 35.2678, 0.3833, 0.4592.

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

35.2678, 0.3833, 0.4592

Protanopia

35.1010, 0.4081, 0.4453

Deuteranopia

34.9060, 0.4299, 0.4203



Tritanopia

35.1501, 0.3155, 0.3121

Trichromacy



Original Color

35.2678, 0.3833, 0.4592

Protanomaly

35.0066, 0.3984, 0.4501

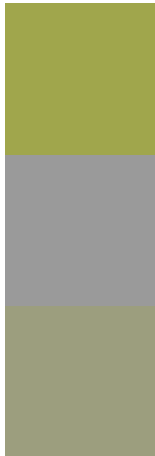
Deuteranomaly

34.8688, 0.4130, 0.4333

Tritanomaly

34.9979, 0.3417, 0.3660

Monochromacy



Original Color

35.2678, 0.3833, 0.4592

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.0280, 0.3403, 0.3784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2678, 0.3833, 0.4592 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(160, 166, 76)` looks like.

```
.text, #text, p{  
    color:rgb(160, 166, 76)  
}
```

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(160, 166, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 166, 76) }
```

Border

The CSS property to change the border of an element to Yxy 35.2678, 0.3833, 0.4592 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(160, 166, 76) }
```

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

```
.border{ border-color:rgb(160, 166, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 166, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 166, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 166, 76);  
box-shadow:4px 4px 4px 4px rgb(160, 166,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2678, 0.3833, 0.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 166, 76) }
```

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

```
.background{ background-color: rgb(160,  
166, 76) }
```

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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