

Converting Colors

$Yxy(32.9853, 0.4002, 0.5012)$

Have a look what the booklet for
Yxy(32.9853, 0.4002, 0.5012)
contains.

Yxy(32.9853, 0.4002, 0.5012)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.9853, 0.4002, 0.5012)

Conversions

Conversions Part 1

Format	Color
Hex	98A322
RGB	152, 163, 34
RGB Percent	60%, 64%, 13%
CMY	0.4038, 0.3608, 0.8668
CMYK	0.07, 0.00, 0.79, 0.36
HSL	65°, 66%, 39%
HSV	65°, 79%, 64%
XYZ	26.3382, 32.9853, 6.4891
YIQ	145.0050, 34.8530, -42.4510

Conversions

Conversions Part 2

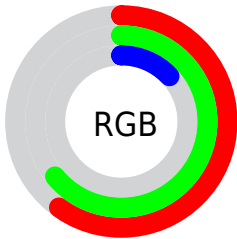
Format	Color
RYB	34, 163, 45
Decimal	10003234
CIELab	64.15, -19.49, 60.07
CIELCh	64, 63.150, 107.980
Yxy	32.9853, 0.4002, 0.5012
Android (android.graphics.Color)	4288193314 (0xFF98A322)
YUV	145.0050, -54.7255, 6.1346
Hunter-Lab	57.4328, -18.6488, 33.5040

Details

The Yxy color **32.9853, 0.4002, 0.5012** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.3429, 0.1734, 0.0911**, and the grayscale version is **28.5346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4534, 0.3880, 0.4696**, and **13.9103, 0.3983, 0.5220** is the 20% darker color. If you saturate the color by 10%, you get **32.7811, 0.4034, 0.5106**, and if you desaturate by 10%, it is **33.2387, 0.3945, 0.4875**.

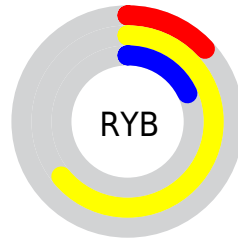
Distribution



Red (60%)

Green (64%)

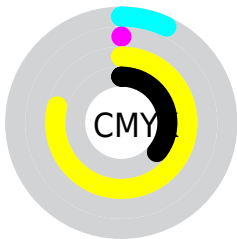
Blue (13%)



Red (13%)

Yellow (64%)

Blue (18%)

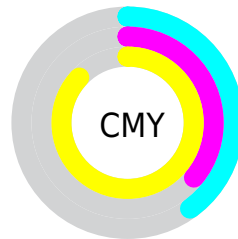


Cyan (7%)

Magenta (0%)

Yellow (79%)

Black (36%)



Cyan (40%)


Magenta (36%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9853, 0.4002, 0.5012 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 32.9853, 0.4002, 0.5012 by changing the saturation by 10% instead.


 32.9853, 0.4002,
0.5012


 32.9853, 0.4002,
0.5012


315.5835, 0.3616,
0.4125


 22.1152, 0.4059,
0.5216


 64.3526, 0.3886,
0.4696

 13.9416, 0.4102,
0.5456


 85.6185, 0.3834,
0.4574

 8.0800, 0.4172,
0.5828

 111.1186, 0.3787,
0.4470

 4.1462, 0.3991,
0.6009

 141.2370, 0.3745,
0.4381

 1.7557, 0.3686,
0.6314

 176.3584, 0.3708,
0.4304

 0.4593, 0.0000,
1.0000

 216.8670, 0.3674,

 0.0000, 0.0000,

0.4237

0.0000

263.1472, 0.3644,
0.4177

■ 32.9853, 0.4002,
0.5012

■ 32.9853, 0.4002,
0.5012

■ 32.7811, 0.4034,
0.5106

■ 33.2387, 0.3945,
0.4875

■ 32.6101, 0.4046,
0.5165

■ 33.5422, 0.3863,
0.4699

■ 32.5961, 0.4046,
0.5169

■ 33.9023, 0.3761,
0.4490

■ 34.3232, 0.3643,
0.4257

■ 34.8085, 0.3515,
0.4011

■ 35.3619, 0.3382,
0.3759

■ 35.9866, 0.3248,
0.3510

■ 36.6856, 0.3116,
0.3270

■ 37.4618, 0.2991,
0.3043

Harmonies

Analogous

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



32.9853, 0.4731, 0.4450



32.9853, 0.4002, 0.5012



32.9853, 0.3102, 0.5057

Triad

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



32.9853, 0.4002, 0.5012



32.9853, 0.1508, 0.2348



32.9853, 0.3905, 0.2508

Complementary

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



32.9853, 0.4002, 0.5012



4.3429, 0.1734, 0.0911

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.



32.9853, 0.2891, 0.2076



32.9853, 0.4002, 0.5012



32.9853, 0.1644, 0.1944

Square

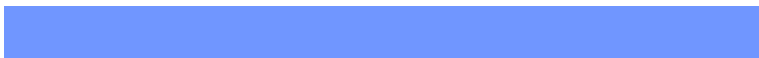
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.9853, 0.4002, 0.5012



32.9853, 0.1699, 0.3171



32.9853, 0.2100, 0.1874



32.9853, 0.4764, 0.3098

Rectangle

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



32.9853, 0.4002, 0.5012



32.9853, 0.2516, 0.4621



32.9853, 0.2100, 0.1874



32.9853, 0.3560, 0.2342

Sweetspot

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



32.9868, 0.4002, 0.5012



62.7934, 0.3453, 0.3892



9.7571, 0.5704, 0.3410



14.0292, 0.3498, 0.3978



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



32.9868, 0.4002, 0.5012



58.4782, 0.4043, 0.5150



28.3704, 0.3354, 0.5474



8.2065, 0.3249, 0.3513



25.3438, 0.4048, 0.5168



0.5409, 0.4104, 0.5123

Inverse Universe

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



4.3429, 0.1734, 0.0911



5.2080, 0.1552, 0.0651



7.0526, 0.2420, 0.1262



6.8874, 0.2999, 0.3059



2.1359, 0.1535, 0.0619



0.0530, 0.1694, 0.0707

Previews

White Background



This preview shows how the Yxy color 32.9853, 0.4002, 0.5012 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 32.9853, 0.4002, 0.5012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

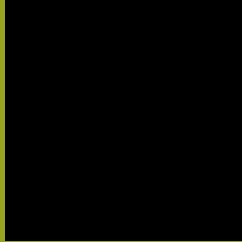
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9853, 0.4002, 0.5012

Background



This preview shows how black text looks on a background with the Yxy color 32.9853, 0.4002, 0.5012.



This preview shows how white text looks on a background with the Yxy color 32.9853, 0.4002, 0.5012.

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

32.9853, 0.4002, 0.5012

Protanopia

32.9952, 0.4324, 0.4783

Deuteranopia

32.6367, 0.4587, 0.4488



Tritanopia

32.9233, 0.3125, 0.3115

Trichromacy



Original Color

32.9853, 0.4002, 0.5012

Protanomaly

33.1216, 0.4204, 0.4867

Deuteranomaly

32.5127, 0.4369, 0.4681

Tritanomaly

32.4322, 0.3526, 0.3890

Monochromacy



Original Color

32.9853, 0.4002, 0.5012

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.7723, 0.3536, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9853, 0.4002, 0.5012 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(152, 163, 34)` looks like.

```
.text, #text, p{  
    color:rgb(152, 163, 34)  
}
```

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(152, 163, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 163, 34) }
```

Border

The CSS property to change the border of an element to Yxy 32.9853, 0.4002, 0.5012 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(152, 163, 34) }
```

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

```
.border{ border-color:rgb(152, 163, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 163, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 163, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 163, 34);  
box-shadow:4px 4px 4px 4px rgb(152, 163,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9853, 0.4002, 0.5012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 163, 34) }
```

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

```
.background{ background-color: rgb(152,  
163, 34) }
```

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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