

Converting Colors

$Y_{xy}(41.5625, 0.3995, 0.4314)$

Have a look what the booklet for
Yxy(41.5625, 0.3995, 0.4314)
contains.

Yxy(41.5018, 0.3994, 0.4309)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.5018, 0.3994, 0.4309)

Conversions

Conversions Part 1

Format	Color
Hex	C0AC5D
RGB	192, 172, 93
RGB Percent	75%, 67%, 36%
CMY	0.2470, 0.3255, 0.6352
CMYK	0.00, 0.10, 0.52, 0.25
HSL	48°, 44%, 56%
HSV	48°, 52%, 75%
XYZ	38.4679, 41.5018, 16.3445
YIQ	168.9740, 37.2790, -20.3290

Conversions

Conversions Part 2

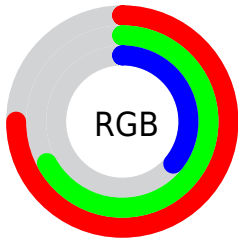
Format	Color
RYB	118, 192, 93
Decimal	12627037
CIELab	70.53, -3.11, 42.89
CIElCh	71, 43.003, 94.146
Yxy	41.5018, 0.3994, 0.4309
Android (android.graphics.Color)	4290817117 (0xFFC0AC5D)
YUV	168.9740, -37.4552, 20.1938
Hunter-Lab	64.4219, -6.1516, 30.0528

Details

The Yxy color **41.5018, 0.3994, 0.4309** is a light color, and the websafe version is hex **999933**. The color can be described as light muted orange. A complement of this color would be **17.9503, 0.2211, 0.1991**, and the grayscale version is **39.8398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3065, 0.3846, 0.4129**, and **18.8416, 0.4205, 0.4578** is the 20% darker color. If you saturate the color by 10%, you get **39.7497, 0.4161, 0.4471**, and if you desaturate by 10%, it is **43.3864, 0.3819, 0.4124**.

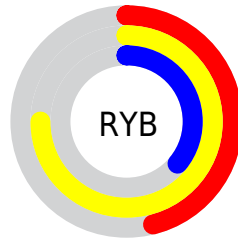
Distribution



Red (75%)

Green (67%)

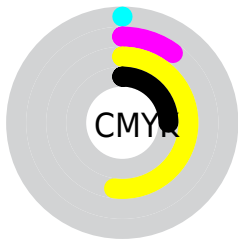
Blue (36%)



Red (46%)

Yellow (75%)

Blue (36%)

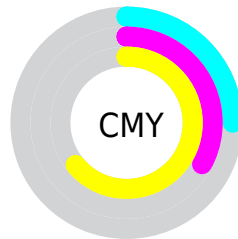


Cyan (0%)

Magenta (10%)

Yellow (52%)

Black (25%)



Cyan (25%)


Magenta (33%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5018, 0.3994, 0.4309 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 41.5018, 0.3994, 0.4309 by changing the saturation by 10% instead.


 41.5018, 0.3994,
0.4309

 41.5018, 0.3994,
0.4309


352.4135, 0.3571,
0.3803

 28.7114, 0.4090,
0.4428


 77.4451, 0.3846,
0.4130


 18.8626, 0.4206,
0.4572


 101.3667, 0.3788,
0.4061

 11.5710, 0.4343,
0.4749


 129.7675, 0.3739,
0.4002

 6.4523, 0.4507,
0.4969

 163.0320, 0.3696,
0.3951

 3.1220, 0.4724,
0.5276

201.5444, 0.3659,
0.3907

 1.1958, 0.4667,
0.5333

245.6892, 0.3626,

 0.0582, 0.0000,

0.3868

1.0000

295.8508, 0.3597,
0.3834

■ 0.0000, 0.0000,
0.0000

■ 41.5018, 0.3994,
0.4309

■ 41.5018, 0.3994,
0.4309

■ 39.7497, 0.4161,
0.4471

■ 43.3864, 0.3819,
0.4124

■ 38.1173, 0.4311,
0.4598

■ 45.4037, 0.3642,
0.3924

■ 36.5987, 0.4438,
0.4684

■ 47.5615, 0.3469,
0.3719

■ 35.1847, 0.4538,
0.4723

■ 49.8649, 0.3304,
0.3516

■ 34.0567, 0.4603,
0.4727

■ 52.3190, 0.3150,
0.3320

■ 54.9283, 0.3008,
0.3133

■ 57.6974, 0.2878,
0.2959

■ 60.6302, 0.2761,
0.2798

■ 63.0138, 0.2716,
0.2757

Harmonies

Analogous

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



41.5018, 0.4329, 0.3932



41.5018, 0.3994, 0.4309



41.5018, 0.3443, 0.4428

Triad

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



41.5018, 0.3994, 0.4309



41.5018, 0.2062, 0.2932



41.5018, 0.3336, 0.2610

Complementary

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



41.5018, 0.3994, 0.4309



17.9503, 0.2211, 0.1991

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.



41.5018, 0.2721, 0.2372



41.5018, 0.3994, 0.4309



41.5018, 0.2041, 0.2507

Square

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



41.5018, 0.3994, 0.4309



41.5018, 0.2339, 0.3550



41.5018, 0.2267, 0.2327



41.5018, 0.3945, 0.2994

Rectangle

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



41.5018, 0.3994, 0.4309



41.5018, 0.3035, 0.4286



41.5018, 0.2267, 0.2327



41.5018, 0.3121, 0.2512

Sweetspot

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



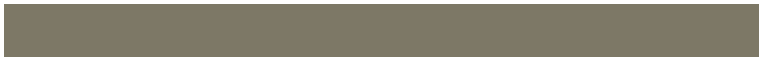
41.5037, 0.3994, 0.4309



88.7782, 0.3364, 0.3590



20.2657, 0.4258, 0.3005



18.8553, 0.3399, 0.3634



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



41.5037, 0.3994, 0.4309



71.5818, 0.4184, 0.4491



46.3794, 0.3616, 0.4642



11.4014, 0.3270, 0.3473



23.0283, 0.4597, 0.4732



1.0848, 0.4491, 0.4816

Inverse Universe

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



17.9503, 0.2211, 0.1991



24.3174, 0.2000, 0.1651



15.7090, 0.2401, 0.1769



10.0703, 0.2983, 0.3101



3.6189, 0.1560, 0.0814



0.2561, 0.1674, 0.1227

Previews

White Background



This preview shows how the Yxy color 41.5018, 0.3994, 0.4309 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 41.5018, 0.3994, 0.4309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

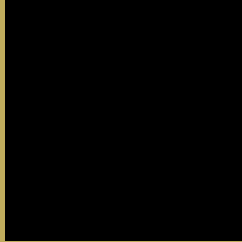
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5018, 0.3994, 0.4309

Background



This preview shows how black text looks on a background with the Yxy color 41.5018, 0.3994, 0.4309.



This preview shows how white text looks on a background with the Yxy color 41.5018, 0.3994, 0.4309.

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

41.5018, 0.3994, 0.4309

Protanopia

41.6246, 0.3968, 0.4329

Deuteranopia

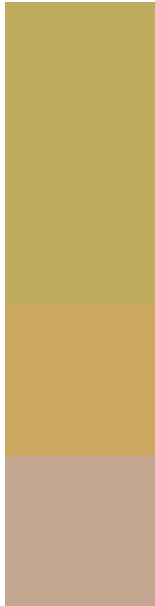
41.5854, 0.4214, 0.4134



Tritanopia

41.5689, 0.3371, 0.3138

Trichromacy



Original Color

41.5018, 0.3994, 0.4309

Protanomaly

41.7538, 0.3978, 0.4325

Deuteranomaly

41.6508, 0.4132, 0.4205

Tritanomaly

41.1871, 0.3617, 0.3566

Monochromacy



Original Color

41.5018, 0.3994, 0.4309

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.0196, 0.3446, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5018, 0.3994, 0.4309 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(192, 172, 93)` looks like.

```
.text, #text, p{  
    color:rgb(192, 172, 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(192, 172, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 172, 93) }
```

Border

The CSS property to change the border of an element to Yxy 41.5018, 0.3994, 0.4309 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(192, 172, 93) }
```

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

```
.border{ border-color:rgb(192, 172, 93) }
```

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

Here you see how a box with a 4 pixel rgb(192, 172, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 172, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 172, 93);  
box-shadow:4px 4px 4px 4px rgb(192, 172,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5018, 0.3994, 0.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 172, 93) }
```

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

```
.background{ background-color: rgb(192,  
172, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor