

Converting Colors

$Y_{xy}(42.7458, 0.3812, 0.3880)$

Have a look what the booklet for
Yxy(42.7458, 0.3812, 0.3880)
contains.

Yxy(42.8858, 0.3811, 0.3883)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.8858, 0.3811, 0.3883)

Conversions

Conversions Part 1

Format	Color
Hex	C8AB7D
RGB	200, 171, 125
RGB Percent	78%, 67%, 49%
CMY	0.2156, 0.3294, 0.5097
CMYK	0.00, 0.15, 0.37, 0.22
HSL	37°, 41%, 64%
HSV	37°, 37%, 78%
XYZ	42.0906, 42.8858, 25.4686
YIQ	174.4270, 32.0500, -8.1580

Conversions

Conversions Part 2

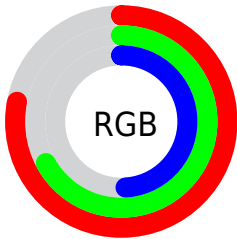
Format	Color
R _{YB}	172, 200, 125
Decimal	13151101
CIE _{Lab}	71.48, 4.05, 27.59
CIE _{LCh}	71, 27.891, 81.642
Yxy	42.8858, 0.3811, 0.3883
Android (android.graphics.Color)	4291341181 (0xFFC8AB7D)
YUV	174.4270, -24.3675, 22.4275
Hunter-Lab	65.4873, 0.1245, 22.7826

Details

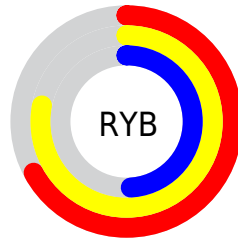
The Yxy color **42.8858, 0.3811, 0.3883** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.6634, 0.2511, 0.2611**, and the grayscale version is **42.6772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8671, 0.3665, 0.3780**, and **19.7214, 0.4013, 0.4050** is the 20% darker color. If you saturate the color by 10%, you get **39.5869, 0.4031, 0.4038**, and if you desaturate by 10%, it is **46.4630, 0.3604, 0.3721**.

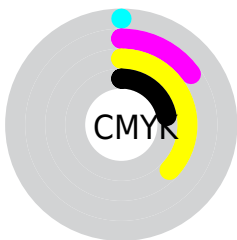
Distribution



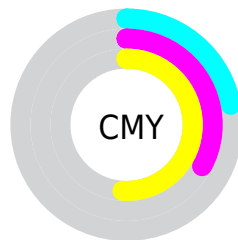
- Red (78%)
- Green (67%)
- Blue (49%)



- Red (67%)
- Yellow (78%)
- Blue (49%)



- Cyan (0%)
- Magenta (15%)
- Yellow (37%)
- Black (22%)





- Cyan (22%)
- Magenta (33%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8858, 0.3811, 0.3883 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 42.8858, 0.3811, 0.3883 by changing the saturation by 10% instead.


 42.8858, 0.3811,
0.3883

 42.8858, 0.3811,
0.3883


358.1419, 0.3467,
0.3590


 29.7955, 0.3896,
0.3954


 79.5385, 0.3686,
0.3778

 19.6834, 0.4005,
0.4042


 103.8697, 0.3639,
0.3738

 12.1651, 0.4146,
0.4155


 132.7167, 0.3599,
0.3704

 6.8562, 0.4335,
0.4301

166.4638, 0.3565,
0.3675

 3.3724, 0.4613,
0.4506

205.4955, 0.3535,
0.3649

 1.3291, 0.5125,
0.4875

250.1962, 0.3510,

 0.1636, 0.6087,

0.3627

0.3913

300.9502, 0.3487,
0.3607

0.0000, 0.0000,
0.0000

42.8858, 0.3811,
0.3883

42.8858, 0.3811,
0.3883

39.5869, 0.4031,
0.4038

46.4630, 0.3604,
0.3721

36.5512, 0.4259,
0.4177

50.3211, 0.3415,
0.3559

33.7709, 0.4486,
0.4288

54.4701, 0.3244,
0.3402

31.2351, 0.4701,
0.4359

58.9177, 0.3090,
0.3254

28.9314, 0.4891,
0.4382

63.6711, 0.2954,
0.3114

■ 26.8439, 0.5049,
0.4354

■ 68.7373, 0.2834,
0.2986

■ 26.3493, 0.5087,
0.4343

■ 73.4592, 0.2782,
0.2968

■ 77.7461, 0.2788,
0.3053

■ 82.2253, 0.2794,
0.3137

Harmonies

Analogous

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



42.8858, 0.3929, 0.3613



42.8858, 0.3811, 0.3883



42.8858, 0.3509, 0.4011

Triad

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



42.8858, 0.3811, 0.3883



42.8858, 0.2480, 0.3231



42.8858, 0.3098, 0.2752

Complementary

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



42.8858, 0.3811, 0.3883



31.6634, 0.2511, 0.2611

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.



42.8858, 0.2724, 0.2644



42.8858, 0.3811, 0.3883



42.8858, 0.2386, 0.2890

Square

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



42.8858, 0.3811, 0.3883



42.8858, 0.2742, 0.3623



42.8858, 0.2472, 0.2686



42.8858, 0.3503, 0.2982

Rectangle

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



42.8858, 0.3811, 0.3883



42.8858, 0.3250, 0.3978



42.8858, 0.2472, 0.2686



42.8858, 0.2964, 0.2700

Sweetspot

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



42.8878, 0.3811, 0.3883



91.5900, 0.3304, 0.3459



29.3237, 0.3667, 0.2900



19.3917, 0.3328, 0.3481



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



42.8878, 0.3811, 0.3883



69.5410, 0.3990, 0.4010



54.0781, 0.3620, 0.4234



11.7008, 0.3274, 0.3431



16.9268, 0.5071, 0.4356



0.9390, 0.4841, 0.4538

Inverse Universe

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



31.6634, 0.2511, 0.2611



47.3771, 0.2370, 0.2431



23.7924, 0.2511, 0.2183



10.9495, 0.2983, 0.3145



6.2259, 0.1678, 0.1242



0.4348, 0.1797, 0.1667

Previews

White Background



This preview shows how the Yxy color 42.8858, 0.3811, 0.3883 looks on a white background.

Color Contrast Check

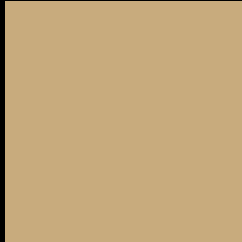
Large Text (above 18pt) WCAG AA × Fail

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 42.8858, 0.3811, 0.3883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

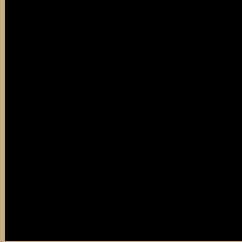
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8858, 0.3811, 0.3883

Background



This preview shows how black text looks on a background with the Yxy color 42.8858, 0.3811, 0.3883.



This preview shows how white text looks on a background with the Yxy color 42.8858, 0.3811, 0.3883.

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

42.8858, 0.3811, 0.3883

Protanopia

42.8836, 0.3659, 0.3933

Deuteranopia

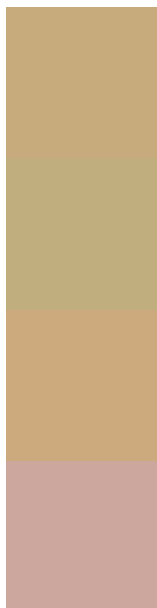
42.9215, 0.3894, 0.3818



Tritanopia

42.8471, 0.3408, 0.3129

Trichromacy



Original Color

42.8858, 0.3811, 0.3883

Protanomaly

42.9849, 0.3711, 0.3925

Deuteranomaly

42.8614, 0.3860, 0.3836

Tritanomaly

42.9434, 0.3560, 0.3405

Monochromacy



Original Color

42.8858, 0.3811, 0.3883

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.3547, 0.3364, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8858, 0.3811, 0.3883 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(200, 171, 125)` looks like.

```
.text, #text, p{  
    color:rgb(200, 171, 125)  
}
```

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(200, 171, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 171, 125) }
```

Border

The CSS property to change the border of an element to Yxy 42.8858, 0.3811, 0.3883 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(200, 171, 125) }
```

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

```
.border{ border-color:rgb(200, 171, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 171, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 171, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 171, 125);  
box-shadow:4px 4px 4px 4px rgb(200, 171,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8858, 0.3811, 0.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 171, 125) }
```

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

```
.background{ background-color: rgb(200,  
171, 125) }
```

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