

Converting Colors

$Y_{xy}(48.9932, 0.3714, 0.4127)$

Have a look what the booklet for
Yxy(48.9932, 0.3714, 0.4127)
contains.

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Color

Yxy(48.9737, 0.3713, 0.4132)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C3BC7A |
| RGB | 195, 188, 122 |
| RGB Percent | 76%, 74%, 48% |
| CMY | 0.2352, 0.2628, 0.5216 |
| CMYK | 0.00, 0.04, 0.37, 0.24 |
| HSL | 54°, 38%, 62% |
| HSV | 54°, 37%, 76% |
| XYZ | 44.0076, 48.9737, 25.5417 |
| YIQ | 182.5690, 25.3580, -19.0420 |

Conversions

Conversions Part 2

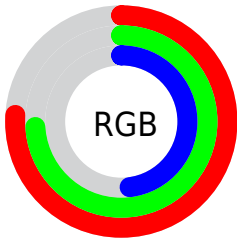
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 130, 195, 122 |
| Decimal | 12827770 |
| CIELab | 75.43, -7.30, 34.30 |
| CIELCh | 75, 35.069, 102.022 |
| Yxy | 48.9737, 0.3713, 0.4132 |
| Android (android.graphics.Color) | 4291017850 (0xFFC3BC7A) |
| YUV | 182.5690, -29.8605, 10.9020 |
| Hunter-Lab | 69.9812, -10.2176, 27.3472 |

Details

The Yxy color **48.9737, 0.3713, 0.4132** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.7863, 0.2465, 0.2278**, and the grayscale version is **47.2645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6792, 0.3619, 0.3982**, and **23.3713, 0.3854, 0.4362** is the 20% darker color. If you saturate the color by 10%, you get **47.7423, 0.3868, 0.4343**, and if you desaturate by 10%, it is **50.3170, 0.3553, 0.3908**.

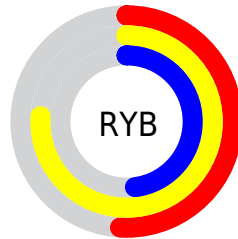
Distribution



Red (76%)

Green (74%)

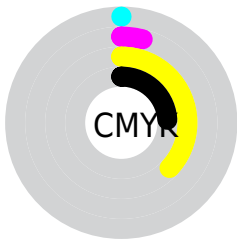
Blue (48%)



Red (51%)

Yellow (76%)

Blue (48%)

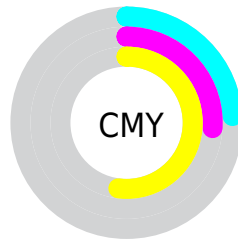


Cyan (0%)

Magenta (4%)

Yellow (37%)

Black (24%)



Cyan (24%)


Magenta (26%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9737, 0.3713, 0.4132 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 48.9737, 0.3713, 0.4132 by changing the saturation by 10% instead.


 48.9737, 0.3713,
0.4132


 48.9737, 0.3713,
0.4132


382.6388, 0.3432,
0.3714

 34.5986, 0.3778,
0.4233


 88.6524, 0.3615,
0.3982

 23.3539, 0.3856,
0.4360


 114.7248, 0.3577,
0.3925

 14.8550, 0.3954,
0.4524


 145.4651, 0.3544,
0.3876

 8.7177, 0.4073,
0.4738

181.2577, 0.3515,
0.3835

 4.5575, 0.4224,
0.5038

222.4869, 0.3491,
0.3799

 1.9901, 0.4460,
0.5540

269.5373, 0.3469,

 0.6017, 0.3954,

0.3767

0.6046

322.7931, 0.3449,
0.3739

■ 0.0000, 0.0000,
0.0000

■ 48.9737, 0.3713,
0.4132

■ 48.9737, 0.3713,
0.4132

■ 47.7423, 0.3868,
0.4343

■ 50.3170, 0.3553,
0.3908

■ 46.6103, 0.4011,
0.4531

■ 51.7710, 0.3393,
0.3679

■ 45.5734, 0.4136,
0.4686

■ 53.3428, 0.3238,
0.3453

■ 44.6242, 0.4238,
0.4802

■ 55.0371, 0.3090,
0.3235

■ 43.7542, 0.4314,
0.4874

■ 56.8584, 0.2953,
0.3029

■ 42.9512, 0.4363,
0.4904

■ 58.8108, 0.2826,
0.2837

■ 42.7518, 0.4374,
0.4909

■ 60.6700, 0.2730,
0.2694

■ 61.5524, 0.2732,
0.2715

■ 62.4456, 0.2733,
0.2737

Harmonies

Analogous

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



48.9737, 0.4020, 0.3899



48.9737, 0.3713, 0.4132



48.9737, 0.3262, 0.4126

Triad

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



48.9737, 0.3713, 0.4132



48.9737, 0.2260, 0.2919



48.9737, 0.3424, 0.2824

Complementary

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



48.9737, 0.3713, 0.4132



23.7863, 0.2465, 0.2278

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.



48.9737, 0.2934, 0.2595



48.9737, 0.3713, 0.4132



48.9737, 0.2294, 0.2624

Square

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



48.9737, 0.3713, 0.4132



48.9737, 0.2435, 0.3366



48.9737, 0.2530, 0.2519



48.9737, 0.3857, 0.3159

Rectangle

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



48.9737, 0.3713, 0.4132



48.9737, 0.2944, 0.3959



48.9737, 0.2530, 0.2519



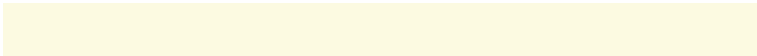
48.9737, 0.3259, 0.2733

Sweetspot

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



48.9759, 0.3713, 0.4132



94.4294, 0.3295, 0.3537



27.1159, 0.3940, 0.3193



20.5934, 0.3316, 0.3568



0.0000, 0.0000, 0.0000



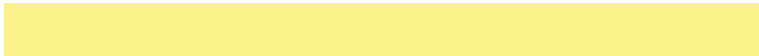
21.4041, 0.3127, 0.3290

Same Dimension

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



48.9759, 0.3713, 0.4132



85.8484, 0.3841, 0.4307



48.5373, 0.3427, 0.4295



11.5871, 0.3267, 0.3496



27.8437, 0.4371, 0.4911



1.2521, 0.4327, 0.4947

Inverse Universe

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



23.7863, 0.2465, 0.2278



34.2796, 0.2296, 0.2011



24.4573, 0.2720, 0.2246



9.9006, 0.2983, 0.3075



2.9162, 0.1521, 0.0674



0.1800, 0.1589, 0.0919

Previews

White Background



This preview shows how the Yxy color 48.9737, 0.3713, 0.4132 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 48.9737, 0.3713, 0.4132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

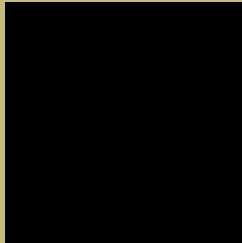
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9737, 0.3713, 0.4132

Background



This preview shows how black text looks on a background with the Yxy color 48.9737, 0.3713, 0.4132.



This preview shows how white text looks on a background with the Yxy color 48.9737, 0.3713, 0.4132.

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

48.9737, 0.3713, 0.4132

Protanopia

49.0548, 0.3794, 0.4102

Deuteranopia

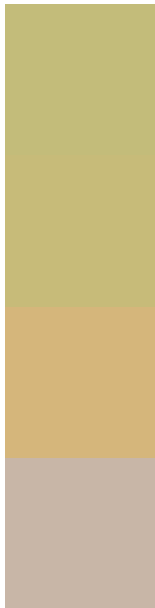
48.9840, 0.4004, 0.3923



Tritanopia

48.7870, 0.3221, 0.3120

Trichromacy



Original Color

48.9737, 0.3713, 0.4132

Protanomaly

49.0632, 0.3761, 0.4122

Deuteranomaly

49.0321, 0.3899, 0.4004

Tritanomaly

48.5253, 0.3407, 0.3479

Monochromacy



Original Color

48.9737, 0.3713, 0.4132

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.8359, 0.3336, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9737, 0.3713, 0.4132 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(195, 188, 122)` looks like.

```
.text, #text, p{  
    color:rgb(195, 188, 122)  
}
```

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(195, 188, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 188, 122) }
```

Border

The CSS property to change the border of an element to Yxy 48.9737, 0.3713, 0.4132 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(195, 188, 122) }
```

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

```
.border{ border-color:rgb(195, 188, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 188, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 188, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 188, 122); box-shadow:4px 4px 4px 4px rgb(195, 188, 122) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9737, 0.3713, 0.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 188, 122) }
```

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

```
.background{ background-color: rgb(195,  
188, 122) }
```

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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