

Converting Colors

$Y_{xy}(48.2369, 0.3638, 0.4019)$

Have a look what the booklet for
Yxy(48.2369, 0.3638, 0.4019)
contains.

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Color

Yxy(48.0670, 0.3639, 0.4014)

Conversions

Conversions Part 1

Format	Color
Hex	C1BA82
RGB	193, 186, 130
RGB Percent	76%, 73%, 51%
CMY	0.2432, 0.2705, 0.4901
CMYK	0.00, 0.04, 0.33, 0.24
HSL	53°, 34%, 63%
HSV	53°, 33%, 76%
XYZ	43.5764, 48.0670, 28.1049
YIQ	181.7090, 22.1480, -15.9320

Conversions

Conversions Part 2

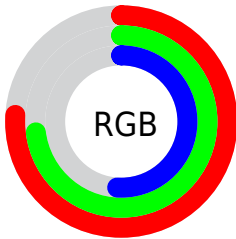
Format	Color
RYB	138, 193, 130
Decimal	12696194
CIELab	74.87, -6.12, 29.33
CIELCh	75, 29.958, 101.796
Yxy	48.0670, 0.3639, 0.4014
Android (android.graphics.Color)	4290886274 (0xFFC1BA82)
YUV	181.7090, -25.4925, 9.9022
Hunter-Lab	69.3304, -9.1350, 24.4964

Details

The Yxy color **48.0670, 0.3639, 0.4014** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.4812, 0.2564, 0.2444**, and the grayscale version is **46.7448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2472, 0.3553, 0.3888**, and **22.7575, 0.3763, 0.4215** is the 20% darker color. If you saturate the color by 10%, you get **46.7060, 0.3799, 0.4230**, and if you desaturate by 10%, it is **49.5430, 0.3477, 0.3790**.

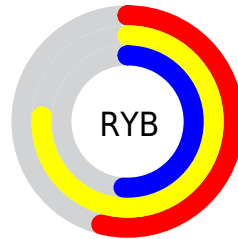
Distribution



Red (76%)

Green (73%)

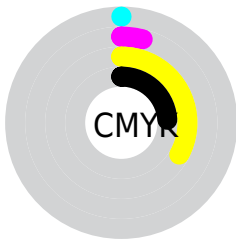
Blue (51%)



Red (54%)

Yellow (76%)

Blue (51%)

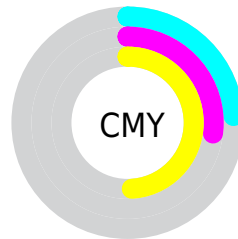


Cyan (0%)

Magenta (4%)

Yellow (33%)

Black (24%)



Cyan (24%)


Magenta (27%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0670, 0.3639, 0.4014 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 48.0670, 0.3639, 0.4014 by changing the saturation by 10% instead.


 48.0670, 0.3639,
0.4014


 48.0670, 0.3639,
0.4014


379.0576, 0.3390,
0.3652


 33.8799, 0.3698,
0.4103


 87.3042, 0.3551,
0.3883

 22.8014, 0.3770,
0.4215

 113.1230, 0.3517,
0.3834

 14.4469, 0.3862,
0.4361


 143.5880, 0.3488,
0.3792

 8.4322, 0.3979,
0.4558

179.0834, 0.3463,
0.3756

 4.3727, 0.4126,
0.4828

219.9937, 0.3442,
0.3725

 1.8842, 0.4521,
0.5479

266.7032, 0.3422,

 0.5388, 0.4023,

0.3698

0.5977

319.5964, 0.3406,
0.3674

0.0000, 0.0000,
0.0000

48.0670, 0.3639,
0.4014

48.0670, 0.3639,
0.4014

46.7060, 0.3799,
0.4230

49.5430, 0.3477,
0.3790

45.4478, 0.3952,
0.4428

51.1326, 0.3318,
0.3565

44.2888, 0.4091,
0.4598


52.8425, 0.3166,
0.3346

43.2221, 0.4209,
0.4733

54.6774, 0.3023,
0.3137


42.2400, 0.4302,
0.4825

56.6413, 0.2890,
0.2940


 41.3332, 0.4367,
0.4872

 58.7383, 0.2769,
0.2758

 40.7000, 0.4402,
0.4886

 60.3045, 0.2716,
0.2689

 61.3062, 0.2718,
0.2714

 62.3217, 0.2720,
0.2738

Harmonies

Analogous

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



48.0670, 0.3899, 0.3821



48.0670, 0.3639, 0.4014



48.0670, 0.3251, 0.4002

Triad

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



48.0670, 0.3639, 0.4014



48.0670, 0.2374, 0.2978



48.0670, 0.3382, 0.2883

Complementary

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



48.0670, 0.3639, 0.4014



26.4812, 0.2564, 0.2444

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.



48.0670, 0.2960, 0.2683



48.0670, 0.3639, 0.4014



48.0670, 0.2402, 0.2717

Square

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



48.0670, 0.3639, 0.4014



48.0670, 0.2530, 0.3362



48.0670, 0.2608, 0.2619



48.0670, 0.3751, 0.3178

Rectangle

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



48.0670, 0.3639, 0.4014



48.0670, 0.2976, 0.3860



48.0670, 0.2608, 0.2619



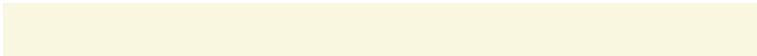
48.0670, 0.3240, 0.2803

Sweetspot

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



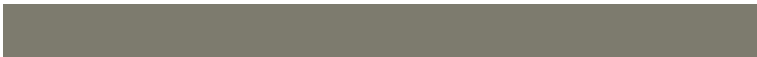
48.0692, 0.3639, 0.4014



92.3418, 0.3279, 0.3510



29.1200, 0.3783, 0.3192



19.7195, 0.3301, 0.3542



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.



48.0692, 0.3639, 0.4014



84.3913, 0.3752, 0.4166



48.1583, 0.3401, 0.4154



11.5619, 0.3267, 0.3493



27.1508, 0.4399, 0.4889



1.2285, 0.4348, 0.4930

Inverse Universe

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



26.4812, 0.2564, 0.2444



39.8853, 0.2424, 0.2227



26.7032, 0.2774, 0.2392



9.9233, 0.2983, 0.3079



2.9860, 0.1525, 0.0688



0.1902, 0.1601, 0.0962

Previews

White Background



This preview shows how the Yxy color 48.0670, 0.3639, 0.4014 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 48.0670, 0.3639, 0.4014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

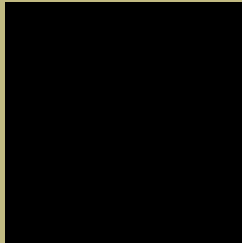
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0670, 0.3639, 0.4014

Background



This preview shows how black text looks on a background with the Yxy color 48.0670, 0.3639, 0.4014.



This preview shows how white text looks on a background with the Yxy color 48.0670, 0.3639, 0.4014.

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

48.0670, 0.3639, 0.4014

Protanopia

48.0081, 0.3711, 0.3989

Deuteranopia

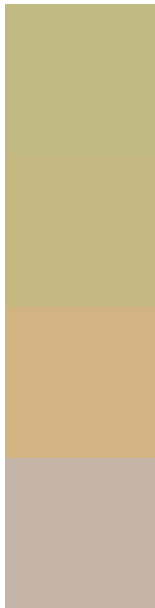
47.7767, 0.3907, 0.3817



Tritanopia

47.9259, 0.3204, 0.3118

Trichromacy



Original Color

48.0670, 0.3639, 0.4014

Protanomaly

48.1532, 0.3688, 0.4006

Deuteranomaly

47.9828, 0.3814, 0.3894

Tritanomaly

47.7826, 0.3366, 0.3443

Monochromacy



Original Color

48.0670, 0.3639, 0.4014

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.9504, 0.3314, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0670, 0.3639, 0.4014 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(193, 186, 130)` looks like.

```
.text, #text, p{  
    color:rgb(193, 186, 130)  
}
```

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(193, 186, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 186, 130) }
```

Border

The CSS property to change the border of an element to Yxy 48.0670, 0.3639, 0.4014 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(193, 186, 130) }
```

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

```
.border{ border-color:rgb(193, 186, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 186, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 186, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 186, 130);  
box-shadow:4px 4px 4px 4px rgb(193, 186,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0670, 0.3639, 0.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 186, 130) }
```

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

```
.background{ background-color: rgb(193,  
186, 130) }
```

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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