

Converting Colors

$Y_{xy}(48.8395, 0.3734, 0.4238)$

Have a look what the booklet for
Yxy(48.8395, 0.3734, 0.4238)
contains.

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Color

Yxy(48.8395, 0.3734, 0.4238)

Conversions

Conversions Part 1

Format	Color
Hex	C0BD73
RGB	192, 189, 115
RGB Percent	75%, 74%, 45%
CMY	0.2470, 0.2588, 0.5491
CMYK	0.00, 0.02, 0.40, 0.25
HSL	58°, 38%, 60%
HSV	58°, 40%, 75%
XYZ	43.0313, 48.8395, 23.3710
YIQ	181.4610, 25.5420, -22.3780

Conversions

Conversions Part 2

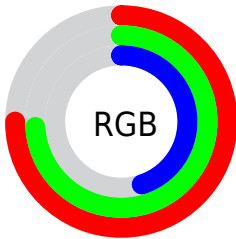
Format	Color
RYB	118, 192, 115
Decimal	12631411
CIELab	75.35, -9.83, 37.75
CIELCh	75, 39.012, 104.588
Yxy	48.8395, 0.3734, 0.4238
Android (android.graphics.Color)	4290821491 (0xFFC0BD73)
YUV	181.4610, -32.7653, 9.2427
Hunter-Lab	69.8853, -12.3892, 29.0919

Details

The Yxy color **48.8395, 0.3734, 0.4238** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **20.4029, 0.2401, 0.2124**, and the grayscale version is **46.6426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4560, 0.3638, 0.4066**, and **23.3083, 0.3874, 0.4498** is the 20% darker color. If you saturate the color by 10%, you get **48.1231, 0.3874, 0.4452**, and if you desaturate by 10%, it is **49.6541, 0.3584, 0.4007**.

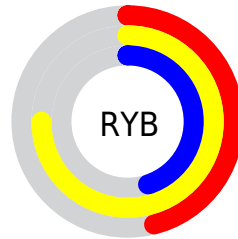
Distribution



Red (75%)

Green (74%)

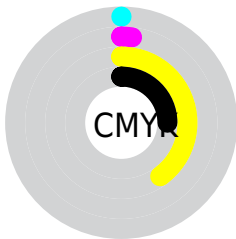
Blue (45%)



Red (46%)

Yellow (75%)

Blue (45%)

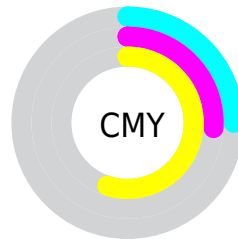


Cyan (0%)

Magenta (2%)

Yellow (40%)

Black (25%)



Cyan (25%)


Magenta (26%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8395, 0.3734, 0.4238 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 48.8395, 0.3734, 0.4238 by changing the saturation by 10% instead.


 48.8395, 0.3734,
0.4238


 48.8395, 0.3734,
0.4238

382.1101, 0.3446,
0.3766


 34.4922, 0.3798,
0.4352


 88.4530, 0.3634,
0.4069

 23.2720, 0.3876,
0.4495


 114.4880, 0.3596,
0.4004

 14.7944, 0.3968,
0.4677


 145.1877, 0.3562,
0.3950

 8.6753, 0.4076,
0.4914

180.9365, 0.3533,
0.3903

 4.5300, 0.4234,
0.5281

222.1187, 0.3507,
0.3862

 1.9742, 0.4311,
0.5689

269.1188, 0.3485,

 0.5924, 0.3530,

0.3826

0.6470

322.3211, 0.3464,
0.3794

0.0000, 0.0000,
0.0000

48.8395, 0.3734,
0.4238

48.8395, 0.3734,
0.4238

48.1231, 0.3874,
0.4452

49.6541, 0.3584,
0.4007

47.4924, 0.3999,
0.4639

50.5654, 0.3430,
0.3767

46.9433, 0.4102,
0.4790


51.5806, 0.3277,
0.3527


46.4685, 0.4181,
0.4899

52.7043, 0.3129,
0.3293

46.0592, 0.4233,
0.4966


53.9406, 0.2989,
0.3070

 45.7026, 0.4263,
0.4997

 55.2936, 0.2857,
0.2861

 56.7672, 0.2737,
0.2667

 57.4587, 0.2704,
0.2620

 57.7956, 0.2705,
0.2628

Harmonies

Analogous

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



48.8395, 0.4097, 0.3988



48.8395, 0.3734, 0.4238



48.8395, 0.3225, 0.4212

Triad

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



48.8395, 0.3734, 0.4238



48.8395, 0.2165, 0.2837



48.8395, 0.3502, 0.2803

Complementary

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



48.8395, 0.3734, 0.4238



20.4029, 0.2401, 0.2124

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.



48.8395, 0.2955, 0.2541



48.8395, 0.3734, 0.4238



48.8395, 0.2223, 0.2533

Square

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



48.8395, 0.3734, 0.4238



48.8395, 0.2335, 0.3324



48.8395, 0.2497, 0.2440



48.8395, 0.3973, 0.3176

Rectangle

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



48.8395, 0.3734, 0.4238



48.8395, 0.2876, 0.4009



48.8395, 0.2497, 0.2440



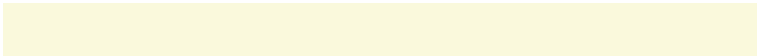
48.8395, 0.3319, 0.2700

Sweetspot

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



48.8417, 0.3734, 0.4238



93.0521, 0.3308, 0.3576



24.7920, 0.4076, 0.3240



19.9097, 0.3328, 0.3607



97.7402, 0.3127, 0.3290



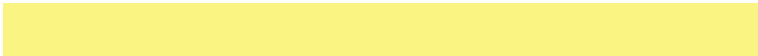
20.4902, 0.3127, 0.3290

Same Dimension

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



48.8417, 0.3734, 0.4238



87.3514, 0.3856, 0.4424



46.1444, 0.3411, 0.4383



11.6887, 0.3266, 0.3509



30.7765, 0.4262, 0.4998



1.3511, 0.4245, 0.5011

Inverse Universe

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



20.4029, 0.2401, 0.2124



28.8630, 0.2218, 0.1827



22.5127, 0.2723, 0.2177



9.8096, 0.2983, 0.3061



2.6971, 0.1508, 0.0629



0.1387, 0.1537, 0.0734

Previews

White Background



This preview shows how the Yxy color 48.8395, 0.3734, 0.4238 looks on a white background.

Color Contrast Check

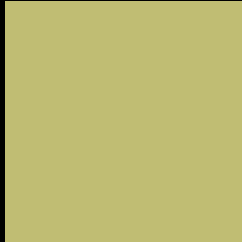
Large Text (above 18pt) WCAG AA × Fail

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 48.8395, 0.3734, 0.4238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

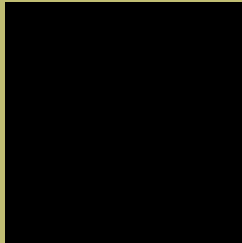
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8395, 0.3734, 0.4238

Background



This preview shows how black text looks on a background with the Yxy color 48.8395, 0.3734, 0.4238.



This preview shows how white text looks on a background with the Yxy color 48.8395, 0.3734, 0.4238.

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

48.8395, 0.3734, 0.4238

Protanopia

49.0292, 0.3857, 0.4181

Deuteranopia

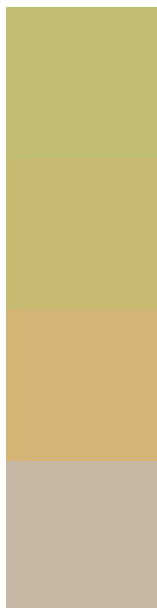
48.5996, 0.4069, 0.3976



Tritanopia

48.9551, 0.3195, 0.3119

Trichromacy



Original Color

48.8395, 0.3734, 0.4238

Protanomaly

48.8977, 0.3815, 0.4205

Deuteranomaly

48.3291, 0.3943, 0.4065

Tritanomaly

48.5894, 0.3404, 0.3518

Monochromacy



Original Color

48.8395, 0.3734, 0.4238

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.0296, 0.3352, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8395, 0.3734, 0.4238 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, 189, 115)` looks like.

```
.text, #text, p{  
    color:rgb(192, 189, 115)  
}
```

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, 189, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 189, 115) }
```

Border

The CSS property to change the border of an element to Yxy 48.8395, 0.3734, 0.4238 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, 189, 115) }
```

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

```
.border{ border-color:rgb(192, 189, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 189, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 189, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 189, 115);  
box-shadow:4px 4px 4px 4px rgb(192, 189,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8395, 0.3734, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 189, 115) }
```

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

```
.background{ background-color: rgb(192,  
189, 115) }
```

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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