

Converting Colors

$Y_{xy}(48.5508, 0.3727, 0.4237)$

Have a look what the booklet for
Yxy(48.5508, 0.3727, 0.4237)
contains.

Yxy(48.7094, 0.3725, 0.4241)	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(48.7094, 0.3725, 0.4241)

Conversions

Conversions Part 1

Format	Color
Hex	BFBD73
RGB	191, 189, 115
RGB Percent	75%, 74%, 45%
CMY	0.2509, 0.2588, 0.5491
CMYK	0.00, 0.01, 0.40, 0.25
HSL	58°, 37%, 60%
HSV	58°, 40%, 75%
XYZ	42.7830, 48.7094, 23.3612
YIQ	181.1620, 24.9460, -22.5900

Conversions

Conversions Part 2

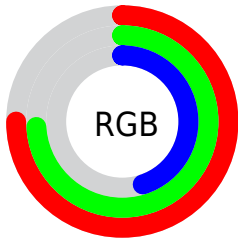
Format	Color
RYB	117, 191, 115
Decimal	12565875
CIELab	75.27, -10.22, 37.63
CIELCh	75, 38.993, 105.189
Yxy	48.7094, 0.3725, 0.4241
Android (android.graphics.Color)	4290755955 (0xFFBFD73)
YUV	181.1620, -32.6179, 8.6279
Hunter-Lab	69.7921, -12.7147, 29.0086

Details

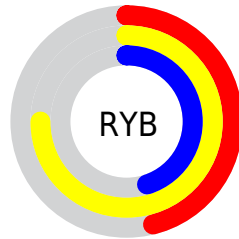
The Yxy color **48.7094, 0.3725, 0.4241** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **20.1336, 0.2405, 0.2120**, and the grayscale version is **46.4729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0884, 0.3624, 0.4070**, and **23.2242, 0.3861, 0.4503** is the 20% darker color. If you saturate the color by 10%, you get **48.0971, 0.3863, 0.4457**, and if you desaturate by 10%, it is **49.4181, 0.3577, 0.4007**.

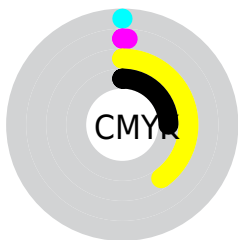
Distribution



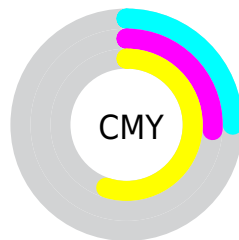
- Red (75%)
- Green (74%)
- Blue (45%)



- Red (46%)
- Yellow (75%)
- Blue (45%)



- Cyan (0%)
- Magenta (1%)
- Yellow (40%)
- Black (25%)





- Cyan (25%)
- Magenta (26%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7094, 0.3725, 0.4241 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 48.7094, 0.3725, 0.4241 by changing the saturation by 10% instead.


 48.7094, 0.3725,
0.4241


 48.7094, 0.3725,
0.4241

381.5972, 0.3442,
0.3767


 34.3890, 0.3788,
0.4356


 88.2597, 0.3627,
0.4071

 23.1926, 0.3864,
0.4500

 114.2584, 0.3589,
0.4006

 14.7358, 0.3955,
0.4684


 144.9187, 0.3556,
0.3951

 8.6342, 0.4061,
0.4924

180.6249, 0.3527,
0.3904

 4.5033, 0.4215,
0.5296

221.7614, 0.3502,
0.3863

 1.9589, 0.4287,
0.5713

268.7127, 0.3479,

 0.5834, 0.3434,

0.3827

0.6566

321.8632, 0.3460,
0.3795

0.0000, 0.0000,
0.0000

48.7094, 0.3725,
0.4241

48.7094, 0.3725,
0.4241

48.0971, 0.3863,
0.4457

49.4181, 0.3577,
0.4007

47.5687, 0.3985,
0.4646

50.2216, 0.3424,
0.3765

47.1203, 0.4086,
0.4799


51.1271, 0.3272,
0.3522

46.7446, 0.4162,
0.4911


52.1388, 0.3124,
0.3286


46.4332, 0.4212,
0.4980

53.2612, 0.2984,
0.3060

 46.1698, 0.4240,
0.5014

 54.4981, 0.2853,
0.2849

 46.1649, 0.4241,
0.5015

 55.8533, 0.2733,
0.2653

 56.4778, 0.2695,
0.2596

 56.7043, 0.2696,
0.2602

Harmonies

Analogous

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



48.7094, 0.4093, 0.3995



48.7094, 0.3725, 0.4241



48.7094, 0.3214, 0.4209

Triad

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



48.7094, 0.3725, 0.4241



48.7094, 0.2164, 0.2829



48.7094, 0.3513, 0.2809

Complementary

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



48.7094, 0.3725, 0.4241



20.1336, 0.2405, 0.2120

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.



48.7094, 0.2965, 0.2544



48.7094, 0.3725, 0.4241



48.7094, 0.2226, 0.2529

Square

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



48.7094, 0.3725, 0.4241



48.7094, 0.2329, 0.3314



48.7094, 0.2505, 0.2440



48.7094, 0.3981, 0.3184

Rectangle

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



48.7094, 0.3725, 0.4241



48.7094, 0.2866, 0.4001



48.7094, 0.2505, 0.2440



48.7094, 0.3330, 0.2706

Sweetspot

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



48.7116, 0.3725, 0.4241



91.1327, 0.3308, 0.3579



24.6349, 0.4082, 0.3258



19.9638, 0.3328, 0.3611



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.



48.7116, 0.3725, 0.4241



86.2190, 0.3849, 0.4436



45.5349, 0.3398, 0.4377



11.0755, 0.3265, 0.3511



30.3478, 0.4240, 0.5016



1.2027, 0.4228, 0.5025

Inverse Universe

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



20.1336, 0.2405, 0.2120



27.8224, 0.2216, 0.1810



22.5498, 0.2740, 0.2191



9.2652, 0.2984, 0.3059



2.5639, 0.1506, 0.0620



0.1146, 0.1527, 0.0697

Previews

White Background



This preview shows how the Yxy color 48.7094, 0.3725, 0.4241 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 48.7094, 0.3725, 0.4241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

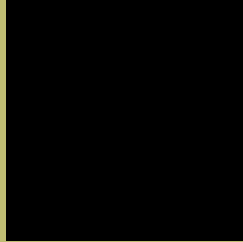
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7094, 0.3725, 0.4241

Background



This preview shows how black text looks on a background with the Yxy color 48.7094, 0.3725, 0.4241.



This preview shows how white text looks on a background with the Yxy color 48.7094, 0.3725, 0.4241.

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

48.7094, 0.3725, 0.4241

Protanopia

48.4694, 0.3853, 0.4174

Deuteranopia

48.4403, 0.4059, 0.3979



Tritanopia

48.8169, 0.3187, 0.3119

Trichromacy



Original Color

48.7094, 0.3725, 0.4241

Protanomaly

48.3385, 0.3811, 0.4197

Deuteranomaly

48.1810, 0.3934, 0.4068

Tritanomaly

48.4539, 0.3395, 0.3519

Monochromacy



Original Color

48.7094, 0.3725, 0.4241

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 48.7094, 0.3725, 0.4241 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(191, 189, 115)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 189, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 189, 115) }
```

Border

The CSS property to change the border of an element to Yxy 48.7094, 0.3725, 0.4241 is called "border". The border property can be set on classes, ids or directly on the HTML element.

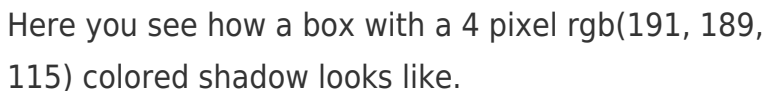
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 189, 115) }
```

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

```
.border{ border-color:rgb(191, 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(191, 189, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 189, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 189, 115); box-shadow:4px 4px 4px 4px rgb(191, 189, 115) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7094, 0.3725, 0.4241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 189, 115) }
```

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

```
.background{ background-color: rgb(191,  
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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