

Converting Colors

$Y_{xy}(49.8837, 0.3702, 0.4276)$

Have a look what the booklet for
Yxy(49.8837, 0.3702, 0.4276)
contains.

Yxy(49.8842, 0.3702, 0.4277)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.8842, 0.3702, 0.4277)

Conversions

Conversions Part 1

Format	Color
Hex	BEC073
RGB	190, 192, 115
RGB Percent	75%, 75%, 45%
CMY	0.2549, 0.2470, 0.5490
CMYK	0.01, 0.00, 0.40, 0.25
HSL	62°, 38%, 60%
HSV	62°, 40%, 75%
XYZ	43.1778, 49.8842, 23.5717
YIQ	182.6240, 23.5250, -24.3710

Conversions

Conversions Part 2

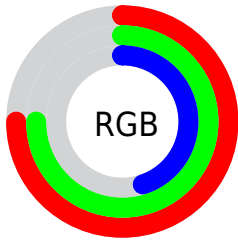
Format	Color
RYB	115, 192, 117
Decimal	12501107
CIELab	76.00, -12.18, 38.53
CIElCh	76, 40.407, 107.542
Yxy	49.8842, 0.3702, 0.4277
Android (android.graphics.Color)	4290691187 (0xFFBEC073)
YUV	182.6240, -33.3386, 6.4688
Hunter-Lab	70.6287, -14.4772, 29.6527

Details

The Yxy color **49.8842, 0.3702, 0.4277** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.8503, 0.2411, 0.2082**, and the grayscale version is **47.3139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7361, 0.3608, 0.4099**, and **23.9978, 0.3826, 0.4550** is the 20% darker color. If you saturate the color by 10%, you get **49.4249, 0.3830, 0.4500**, and if you desaturate by 10%, it is **50.4403, 0.3563, 0.4036**.

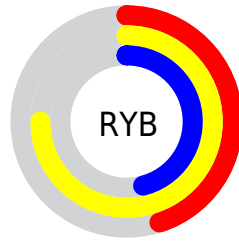
Distribution



Red (75%)

Green (75%)

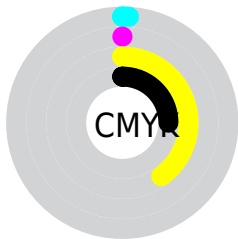
Blue (45%)



Red (45%)

Yellow (75%)

Blue (46%)

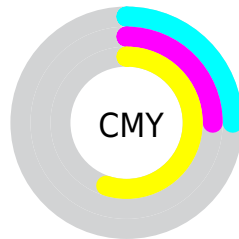


Cyan (1%)

Magenta (0%)

Yellow (40%)

Black (25%)



Cyan (25%)


Magenta (25%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8842, 0.3702, 0.4277 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 49.8842, 0.3702, 0.4277 by changing the saturation by 10% instead.


 49.8842, 0.3702,
0.4277

 49.8842, 0.3702,
0.4277


386.2129, 0.3433,
0.3785


 35.3214, 0.3761,
0.4396


 90.0033, 0.3610,
0.4100

 23.9106, 0.3831,
0.4545


 116.3283, 0.3573,
0.4033

 15.2673, 0.3914,
0.4737


 147.3429, 0.3542,
0.3976

 9.0072, 0.4008,
0.4986

183.4315, 0.3514,
0.3927

 4.7459, 0.4138,
0.5365

224.9784, 0.3490,
0.3885

 2.0989, 0.4187,
0.5813

272.3680, 0.3469,

 0.6640, 0.3346,

0.3847

0.6654

325.9847, 0.3450,
0.3814

0.0000, 0.0000,
0.0000

49.8842, 0.3702,
0.4277

49.8842, 0.3702,
0.4277

49.4249, 0.3830,
0.4500

50.4403, 0.3563,
0.4036

49.0499, 0.3940,
0.4696

51.0917, 0.3417,
0.3786

48.7550, 0.4029,
0.4855

51.8455, 0.3271,
0.3536


48.5329, 0.4093,
0.4973


52.7063, 0.3129,
0.3293

48.3750, 0.4131,
0.5048

53.6783, 0.2992,
0.3061

 48.2652, 0.4148,
0.5089

 54.7655, 0.2864,
0.2843

 55.9719, 0.2745,
0.2643

 56.3934, 0.2714,
0.2588

 56.4600, 0.2718,
0.2588

Harmonies

Analogous

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



49.8842, 0.4097, 0.4038



49.8842, 0.3702, 0.4277



49.8842, 0.3172, 0.4219

Triad

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



49.8842, 0.3702, 0.4277



49.8842, 0.2136, 0.2783



49.8842, 0.3567, 0.2823

Complementary

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



49.8842, 0.3702, 0.4277



19.8503, 0.2411, 0.2082

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.



49.8842, 0.3003, 0.2542



49.8842, 0.3702, 0.4277



49.8842, 0.2218, 0.2494

Square

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



49.8842, 0.3702, 0.4277



49.8842, 0.2287, 0.3269



49.8842, 0.2519, 0.2421



49.8842, 0.4034, 0.3213

Rectangle

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



49.8842, 0.3702, 0.4277



49.8842, 0.2818, 0.3988



49.8842, 0.2519, 0.2421



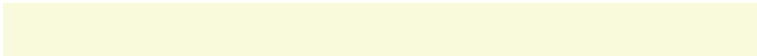
49.8842, 0.3380, 0.2715

Sweetspot

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



49.8865, 0.3702, 0.4277



93.6326, 0.3302, 0.3588



25.0013, 0.4120, 0.3311



20.0476, 0.3321, 0.3620



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.



49.8865, 0.3702, 0.4277



89.6501, 0.3814, 0.4472



45.6370, 0.3367, 0.4398



11.7445, 0.3261, 0.3518



32.4801, 0.4148, 0.5088



1.4077, 0.4159, 0.5080

Inverse Universe

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



19.8503, 0.2411, 0.2082



27.8409, 0.2228, 0.1777



23.0149, 0.2776, 0.2194



9.7603, 0.2987, 0.3052



2.5880, 0.1510, 0.0605



0.1162, 0.1545, 0.0625

Previews

White Background



This preview shows how the Yxy color 49.8842, 0.3702, 0.4277 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 49.8842, 0.3702, 0.4277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

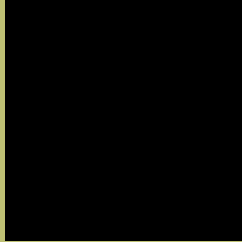
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8842, 0.3702, 0.4277

Background



This preview shows how black text looks on a background with the Yxy color 49.8842, 0.3702, 0.4277.



This preview shows how white text looks on a background with the Yxy color 49.8842, 0.3702, 0.4277.

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

49.8842, 0.3702, 0.4277

Protanopia

49.7120, 0.3878, 0.4197

Deuteranopia

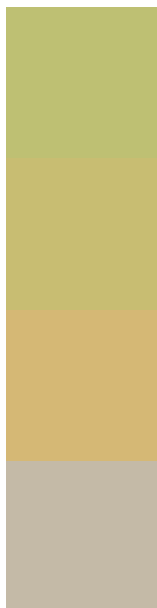
49.7170, 0.4076, 0.3992



Tritanopia

49.6292, 0.3153, 0.3107

Trichromacy



Original Color

49.8842, 0.3702, 0.4277

Protanomaly

49.8895, 0.3814, 0.4224

Deuteranomaly

49.7115, 0.3936, 0.4095

Tritanomaly

49.6436, 0.3364, 0.3531

Monochromacy



Original Color

49.8842, 0.3702, 0.4277

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.0255, 0.3349, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8842, 0.3702, 0.4277 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(190, 192, 115)` looks like.

```
.text, #text, p{  
    color:rgb(190, 192, 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(190, 192, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 192, 115) }
```

Border

The CSS property to change the border of an element to Yxy 49.8842, 0.3702, 0.4277 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(190, 192, 115) }
```

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

```
.border{ border-color:rgb(190, 192, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 192, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 192, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 192, 115);  
box-shadow:4px 4px 4px 4px rgb(190, 192,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8842, 0.3702, 0.4277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 192, 115) }
```

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

```
.background{ background-color: rgb(190,  
192, 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](#).

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