

Converting Colors

$Y_{xy}(48.2949, 0.3731, 0.4441)$

Have a look what the booklet for
Yxy(48.2949, 0.3731, 0.4441)
contains.

Yxy(48.2882, 0.3735, 0.4446)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.2882, 0.3735, 0.4446)

Conversions

Conversions Part 1

Format	Color
Hex	B7BF66
RGB	183, 191, 102
RGB Percent	72%, 75%, 40%
CMY	0.2822, 0.2510, 0.5999
CMYK	0.04, 0.00, 0.47, 0.25
HSL	65°, 41%, 57%
HSV	65°, 47%, 75%
XYZ	40.5660, 48.2882, 19.7562
YIQ	178.4620, 23.8010, -29.3750

Conversions

Conversions Part 2

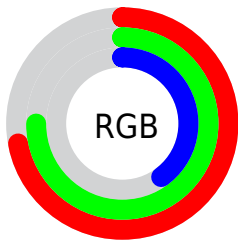
Format	Color
RYB	102, 191, 110
Decimal	12042086
CIELab	75.01, -15.82, 43.68
CIELCh	75, 46.457, 109.903
Yxy	48.2882, 0.3735, 0.4446
Android (android.graphics.Color)	4290232166 (0xFFB7BF66)
YUV	178.4620, -37.6958, 3.9798
Hunter-Lab	69.4897, -17.4041, 31.7864

Details

The Yxy color **48.2882, 0.3735, 0.4446** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.5796, 0.2324, 0.1872**, and the grayscale version is **44.9779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4134, 0.3638, 0.4234**, and **23.0141, 0.3850, 0.4761** is the 20% darker color. If you saturate the color by 10%, you get **47.7460, 0.3841, 0.4664**, and if you desaturate by 10%, it is **48.9246, 0.3614, 0.4206**.

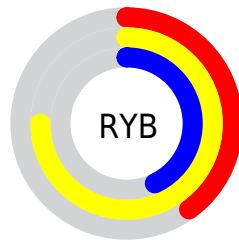
Distribution



Red (72%)

Green (75%)

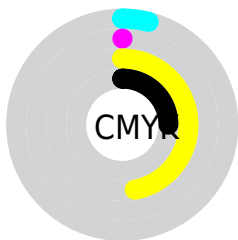
Blue (40%)



Red (40%)

Yellow (75%)

Blue (43%)

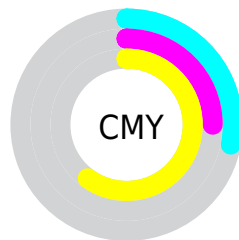


Cyan (4%)

Magenta (0%)

Yellow (47%)

Black (25%)



Cyan (28%)


Magenta (25%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2882, 0.3735, 0.4446 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 48.2882, 0.3735, 0.4446 by changing the saturation by 10% instead.


 48.2882, 0.3735,
0.4446

 48.2882, 0.3735,
0.4446

379.9333, 0.3456,
0.3866


 34.0552, 0.3793,
0.4586


 87.6334, 0.3641,
0.4238

 22.9360, 0.3859,
0.4761


 113.5143, 0.3604,
0.4158

 14.5462, 0.3932,
0.4983


 144.0466, 0.3571,
0.4091

 8.5016, 0.4002,
0.5267

 179.6147, 0.3542,
0.4033

 4.4175, 0.4178,
0.5822

220.6031, 0.3517,
0.3983

 1.9098, 0.3945,
0.6055

267.3960, 0.3494,

 0.5542, 0.2025,

0.3939

0.7975

320.3780, 0.3474,
0.3901

0.0000, 0.0000,
0.0000

48.2882, 0.3735,
0.4446

48.2882, 0.3735,
0.4446

47.7460, 0.3841,
0.4664

48.9246, 0.3614,
0.4206

47.2854, 0.3927,
0.4850

49.6541, 0.3483,
0.3954

46.9017, 0.3988,
0.4996


50.4841, 0.3349,
0.3700

46.5868, 0.4024,
0.5099

51.4191, 0.3214,
0.3449

46.3303, 0.4036,
0.5160

52.4636, 0.3083,
0.3210

 46.2490, 0.4037,
0.5176

 53.6218, 0.2958,
0.2984

 54.8974, 0.2841,
0.2774

 56.2944, 0.2733,
0.2582

 56.5378, 0.2743,
0.2582

Harmonies

Analogous

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



48.2882, 0.4215, 0.4170



48.2882, 0.3735, 0.4446



48.2882, 0.3119, 0.4363

Triad

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



48.2882, 0.3735, 0.4446



48.2882, 0.1993, 0.2661



48.2882, 0.3685, 0.2785

Complementary

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



48.2882, 0.3735, 0.4446



16.5796, 0.2324, 0.1872

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.



48.2882, 0.3029, 0.2456



48.2882, 0.3735, 0.4446



48.2882, 0.2106, 0.2360

Square

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



48.2882, 0.3735, 0.4446



48.2882, 0.2138, 0.3206



48.2882, 0.2463, 0.2302



48.2882, 0.4214, 0.3230

Rectangle

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



48.2882, 0.3735, 0.4446



48.2882, 0.2716, 0.4071



48.2882, 0.2463, 0.2302



48.2882, 0.3468, 0.2659

Sweetspot

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



48.2904, 0.3735, 0.4446



90.8049, 0.3317, 0.3640



23.0642, 0.4327, 0.3395



19.8630, 0.3346, 0.3695



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.



48.2904, 0.3735, 0.4446



85.4949, 0.3844, 0.4670



43.7142, 0.3345, 0.4614



11.0760, 0.3251, 0.3518



30.4153, 0.4039, 0.5175



1.2042, 0.4079, 0.5144

Inverse Universe

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



16.5796, 0.2324, 0.1872



21.7187, 0.2115, 0.1521



20.1290, 0.2766, 0.2027



9.2650, 0.2997, 0.3054



2.5664, 0.1534, 0.0619



0.1145, 0.1657, 0.0687

Previews

White Background



This preview shows how the Yxy color 48.2882, 0.3735, 0.4446 looks on a white background.

Color Contrast Check

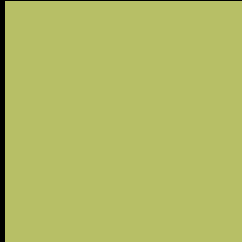
Large Text (above 18pt) WCAG AA × Fail

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 48.2882, 0.3735, 0.4446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

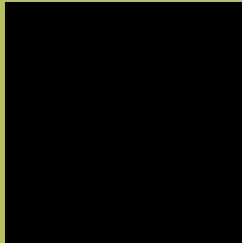
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.2882, 0.3735, 0.4446

Background



This preview shows how black text looks on a background with the Yxy color 48.2882, 0.3735, 0.4446.



This preview shows how white text looks on a background with the Yxy color 48.2882, 0.3735, 0.4446.

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

48.2882, 0.3735, 0.4446

Protanopia

48.3145, 0.3966, 0.4328

Deuteranopia

48.0988, 0.4182, 0.4090



Tritanopia

48.0520, 0.3127, 0.3104

Trichromacy



Original Color

48.2882, 0.3735, 0.4446

Protanomaly

48.2160, 0.3882, 0.4365

Deuteranomaly

47.7693, 0.4019, 0.4205

Tritanomaly

47.8013, 0.3364, 0.3589

Monochromacy



Original Color

48.2882, 0.3735, 0.4446

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.7723, 0.3367, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2882, 0.3735, 0.4446 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(183, 191, 102)` looks like.

```
.text, #text, p{  
    color:rgb(183, 191, 102)  
}
```

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(183, 191, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 191, 102) }
```

Border

The CSS property to change the border of an element to Yxy 48.2882, 0.3735, 0.4446 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(183, 191, 102) }
```

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

```
.border{ border-color:rgb(183, 191, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 191, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 191, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 191, 102);  
box-shadow:4px 4px 4px 4px rgb(183, 191,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2882, 0.3735, 0.4446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 191, 102) }
```

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

```
.background{ background-color: rgb(183,  
191, 102) }
```

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