

Converting Colors

$Y_{xy}(47.6760, 0.3657, 0.4179)$

Have a look what the booklet for
Yxy(47.6760, 0.3657, 0.4179)
contains.

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Color

Yxy(47.8873, 0.3655, 0.4180)

Conversions

Conversions Part 1

Format	Color
Hex	BBBC78
RGB	187, 188, 120
RGB Percent	73%, 74%, 47%
CMY	0.2665, 0.2628, 0.5294
CMYK	0.01, 0.00, 0.36, 0.26
HSL	61°, 34%, 60%
HSV	61°, 36%, 74%
XYZ	41.8727, 47.8873, 24.8029
YIQ	179.9490, 21.2320, -21.3600

Conversions

Conversions Part 2

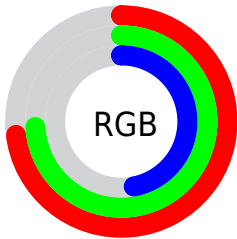
Format	Color
R_{YB}	120, 188, 121
Decimal	12303480
CIE _{Lab}	74.75, -10.73, 34.33
CIE _{LCh}	75, 35.964, 107.354
Yxy	47.8873, 0.3655, 0.4180
Android (android.graphics.Color)	4290493560 (0xFFBBBC78)
YUV	179.9490, -29.5549, 6.1837
Hunter-Lab	69.2007, -13.0922, 27.1898

Details

The Yxy color **47.8873, 0.3655, 0.4180** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **21.1237, 0.2486, 0.2219**, and the grayscale version is **45.7693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9516, 0.3568, 0.4018**, and **22.7567, 0.3785, 0.4431** is the 20% darker color. If you saturate the color by 10%, you get **47.4435, 0.3790, 0.4410**, and if you desaturate by 10%, it is **48.4251, 0.3511, 0.3936**.

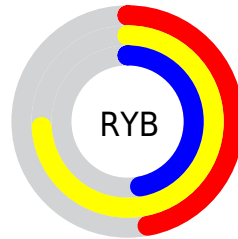
Distribution



Red (73%)

Green (74%)

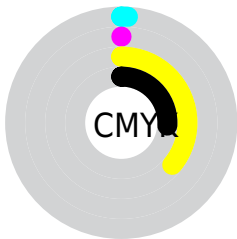
Blue (47%)



Red (47%)

Yellow (74%)

Blue (47%)

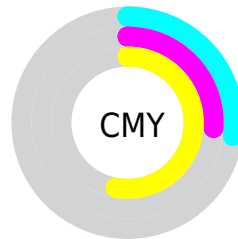


Cyan (1%)

Magenta (0%)

Yellow (36%)

Black (26%)



Cyan (27%)


Magenta (26%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8873, 0.3655, 0.4180 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 47.8873, 0.3655, 0.4180 by changing the saturation by 10% instead.


 47.8873, 0.3655,
0.4180


 47.8873, 0.3655,
0.4180


378.3452, 0.3403,
0.3733

 33.7376, 0.3712,
0.4290


 87.0366, 0.3567,
0.4018

 22.6921, 0.3781,
0.4429


 112.8050, 0.3533,
0.3957

 14.3663, 0.3865,
0.4610


 143.2151, 0.3504,
0.3905

 8.3759, 0.3965,
0.4850

178.6514, 0.3479,
0.3861

 4.3364, 0.4095,
0.5204

219.4981, 0.3456,
0.3823

 1.8635, 0.4246,
0.5754

266.1397, 0.3437,

 0.5263, 0.3117,

0.3789

0.6883

318.9606, 0.3419,
0.3759

0.0000, 0.0000,
0.0000

47.8873, 0.3655,
0.4180

47.8873, 0.3655,
0.4180

47.4435, 0.3790,
0.4410

48.4251, 0.3511,
0.3936

47.0819, 0.3910,
0.4615

49.0553, 0.3363,
0.3686

46.7989, 0.4010,
0.4787

49.7845, 0.3216,
0.3439


46.5879, 0.4086,
0.4920


50.6169, 0.3073,
0.3200

46.4413, 0.4136,
0.5009

51.5565, 0.2938,
0.2974

 46.3494, 0.4162,
0.5058

 52.6070, 0.2812,
0.2763

 46.3209, 0.4169,
0.5072

 53.7720, 0.2696,
0.2568

 54.0236, 0.2677,
0.2535

 54.0577, 0.2679,
0.2535

Harmonies

Analogous

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



47.8873, 0.4008, 0.3973



47.8873, 0.3655, 0.4180



47.8873, 0.3176, 0.4123

Triad

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



47.8873, 0.3655, 0.4180



47.8873, 0.2224, 0.2838



47.8873, 0.3523, 0.2864

Complementary

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



47.8873, 0.3655, 0.4180



21.1237, 0.2486, 0.2219

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.



47.8873, 0.3014, 0.2606



47.8873, 0.3655, 0.4180



47.8873, 0.2297, 0.2569

Square

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



47.8873, 0.3655, 0.4180



47.8873, 0.2366, 0.3279



47.8873, 0.2574, 0.2497



47.8873, 0.3942, 0.3223

Rectangle

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



47.8873, 0.3655, 0.4180



47.8873, 0.2853, 0.3917



47.8873, 0.2574, 0.2497



47.8873, 0.3354, 0.2764

Sweetspot

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



47.8895, 0.3655, 0.4180



89.5474, 0.3289, 0.3562



25.4781, 0.3986, 0.3293



19.2187, 0.3309, 0.3596



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



47.8895, 0.3655, 0.4180



86.1740, 0.3758, 0.4355



44.1898, 0.3357, 0.4276



11.1135, 0.3262, 0.3517



31.5424, 0.4169, 0.5072



1.2378, 0.4175, 0.5067

Inverse Universe

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



21.1237, 0.2486, 0.2219



30.8660, 0.2328, 0.1955



23.9315, 0.2808, 0.2308



9.2316, 0.2986, 0.3053



2.4865, 0.1505, 0.0603



0.0996, 0.1526, 0.0614

Previews

White Background



This preview shows how the Yxy color 47.8873, 0.3655, 0.4180 looks on a white background.

Color Contrast Check

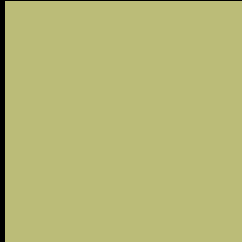
Large Text (above 18pt) WCAG AA × Fail

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 47.8873, 0.3655, 0.4180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

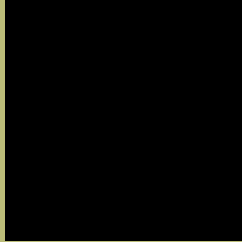
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8873, 0.3655, 0.4180

Background



This preview shows how black text looks on a background with the Yxy color 47.8873, 0.3655, 0.4180.



This preview shows how white text looks on a background with the Yxy color 47.8873, 0.3655, 0.4180.

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

47.8873, 0.3655, 0.4180

Protanopia

47.8683, 0.3808, 0.4121

Deuteranopia

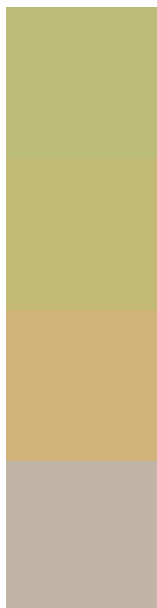
47.6964, 0.3995, 0.3919



Tritanopia

47.8262, 0.3161, 0.3116

Trichromacy



Original Color

47.8873, 0.3655, 0.4180

Protanomaly

47.6319, 0.3749, 0.4135

Deuteranomaly

47.4576, 0.3870, 0.4006

Tritanomaly

47.5465, 0.3353, 0.3496

Monochromacy



Original Color

47.8873, 0.3655, 0.4180

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.4029, 0.3328, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8873, 0.3655, 0.4180 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(187, 188, 120)` looks like.

```
.text, #text, p{  
    color:rgb(187, 188, 120)  
}
```

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(187, 188, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 188, 120) }
```

Border

The CSS property to change the border of an element to Yxy 47.8873, 0.3655, 0.4180 is called "border". The border property can be set on classes, ids or directly on the HTML element.

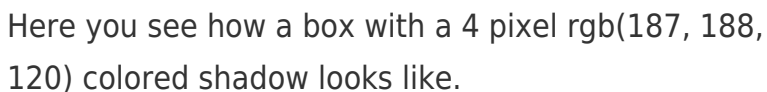
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 188, 120) }
```

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

```
.border{ border-color:rgb(187, 188, 120) }
```

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



Here you see how a box with a 4 pixel rgb(187, 188, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 188, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 188, 120);  
box-shadow:4px 4px 4px 4px rgb(187, 188,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8873, 0.3655, 0.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 188, 120) }
```

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

```
.background{ background-color: rgb(187,  
188, 120) }
```

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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