

Converting Colors

$Y_{xy}(48.2781, 0.3610, 0.4077)$

Have a look what the booklet for
Yxy(48.2781, 0.3610, 0.4077)
contains.

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Color

Yxy(48.3438, 0.3611, 0.4073)

Conversions

Conversions Part 1

Format	Color
Hex	BDBC80
RGB	189, 188, 128
RGB Percent	74%, 74%, 50%
CMY	0.2589, 0.2627, 0.4981
CMYK	0.00, 0.01, 0.32, 0.26
HSL	59°, 32%, 62%
HSV	59°, 32%, 74%
XYZ	42.8602, 48.3438, 27.4894
YIQ	181.4590, 19.8560, -18.4480

Conversions

Conversions Part 2

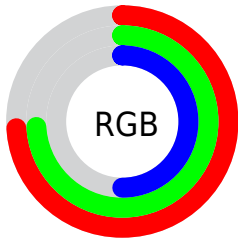
Format	Color
RYB	129, 189, 128
Decimal	12434560
CIELab	75.04, -9.00, 30.56
CIELCh	75, 31.860, 106.407
Yxy	48.3438, 0.3611, 0.4073
Android (android.graphics.Color)	4290624640 (0xFFBDBC80)
YUV	181.4590, -26.3553, 6.6135
Hunter-Lab	69.5297, -11.6443, 25.2298

Details

The Yxy color **48.3438, 0.3611, 0.4073** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.9479, 0.2560, 0.2365**, and the grayscale version is **46.6061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6304, 0.3532, 0.3933**, and **23.0289, 0.3733, 0.4292** is the 20% darker color. If you saturate the color by 10%, you get **47.7669, 0.3755, 0.4305**, and if you desaturate by 10%, it is **49.0180, 0.3460, 0.3830**.

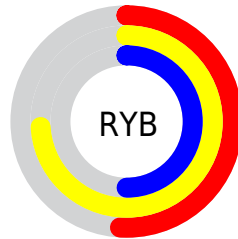
Distribution



Red (74%)

Green (74%)

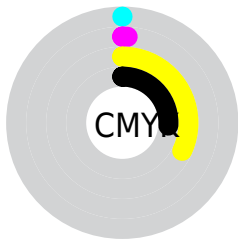
Blue (50%)



Red (51%)

Yellow (74%)

Blue (50%)

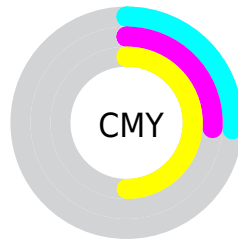


Cyan (0%)

Magenta (1%)

Yellow (32%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3438, 0.3611, 0.4073 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 48.3438, 0.3611, 0.4073 by changing the saturation by 10% instead.


 48.3438, 0.3611,
0.4073


 48.3438, 0.3611,
0.4073


380.1533, 0.3378,
0.3680


 34.0992, 0.3665,
0.4170


 87.7161, 0.3529,
0.3931

 22.9698, 0.3731,
0.4293


 113.6126, 0.3498,
0.3877

 14.5712, 0.3814,
0.4454


 144.1618, 0.3471,
0.3832

 8.5190, 0.3916,
0.4670

179.7482, 0.3447,
0.3793

 4.4288, 0.4040,
0.4971

220.7562, 0.3427,
0.3759

 1.9162, 0.4354,
0.5646

267.5700, 0.3409,

 0.5581, 0.3577,

0.3729

0.6423

320.5743, 0.3393,
0.3703

0.0000, 0.0000,
0.0000

48.3438, 0.3611,
0.4073

48.3438, 0.3611,
0.4073

47.7669, 0.3755,
0.4305

49.0180, 0.3460,
0.3830

47.2756, 0.3888,
0.4517

49.7877, 0.3309,
0.3584

46.8664, 0.4003,
0.4699

50.6596, 0.3160,
0.3344

46.5330, 0.4095,
0.4843


51.6377, 0.3018,
0.3113


46.2682, 0.4161,
0.4946


52.7260, 0.2885,
0.2895

 46.0632, 0.4202,
0.5006

 53.9283, 0.2761,
0.2693

 45.9329, 0.4221,
0.5031

 54.9040, 0.2678,
0.2559

 55.0331, 0.2679,
0.2563

 55.1624, 0.2679,
0.2566

Harmonies

Analogous

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



48.3438, 0.3915, 0.3892



48.3438, 0.3611, 0.4073



48.3438, 0.3189, 0.4024

Triad

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



48.3438, 0.3611, 0.4073



48.3438, 0.2323, 0.2905



48.3438, 0.3464, 0.2902

Complementary

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



48.3438, 0.3611, 0.4073



23.9479, 0.2560, 0.2365

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.



48.3438, 0.3016, 0.2673



48.3438, 0.3611, 0.4073



48.3438, 0.2382, 0.2655

Square

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



48.3438, 0.3611, 0.4073



48.3438, 0.2458, 0.3298



48.3438, 0.2626, 0.2581



48.3438, 0.3837, 0.3223

Rectangle

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



48.3438, 0.3611, 0.4073



48.3438, 0.2901, 0.3849



48.3438, 0.2626, 0.2581



48.3438, 0.3316, 0.2813

Sweetspot

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



48.3460, 0.3611, 0.4073



89.5120, 0.3277, 0.3533



27.8356, 0.3846, 0.3278



19.2040, 0.3298, 0.3567



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.



48.3460, 0.3611, 0.4073



85.8361, 0.3718, 0.4245



45.3639, 0.3344, 0.4158



11.0940, 0.3265, 0.3513



30.9260, 0.4220, 0.5031



1.2197, 0.4213, 0.5036

Inverse Universe

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



23.9479, 0.2560, 0.2365



35.0796, 0.2408, 0.2114



26.3229, 0.2840, 0.2419



9.2488, 0.2984, 0.3057



2.5261, 0.1503, 0.0612



0.1073, 0.1516, 0.0658

Previews

White Background



This preview shows how the Yxy color 48.3438, 0.3611, 0.4073 looks on a white background.

Color Contrast Check

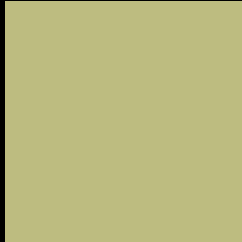
Large Text (above 18pt) WCAG AA × Fail

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 48.3438, 0.3611, 0.4073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

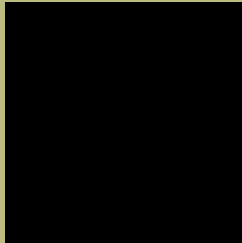
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.3438, 0.3611, 0.4073

Background



This preview shows how black text looks on a background with the Yxy color 48.3438, 0.3611, 0.4073.



This preview shows how white text looks on a background with the Yxy color 48.3438, 0.3611, 0.4073.

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

48.3438, 0.3611, 0.4073

Protanopia

48.5096, 0.3732, 0.4023

Deuteranopia

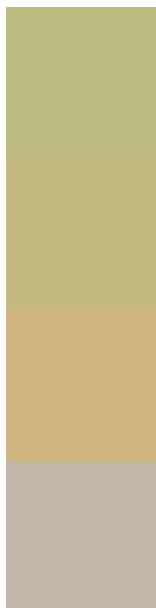
48.2716, 0.3929, 0.3850



Tritanopia

48.4079, 0.3161, 0.3117

Trichromacy



Original Color

48.3438, 0.3611, 0.4073

Protanomaly

48.3859, 0.3691, 0.4045

Deuteranomaly

48.1880, 0.3817, 0.3931

Tritanomaly

48.2386, 0.3327, 0.3456

Monochromacy



Original Color

48.3438, 0.3611, 0.4073

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.0800, 0.3303, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3438, 0.3611, 0.4073 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(189, 188, 128)` looks like.

```
.text, #text, p{  
    color:rgb(189, 188, 128)  
}
```

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(189, 188, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 188, 128) }
```

Border

The CSS property to change the border of an element to Yxy 48.3438, 0.3611, 0.4073 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(189, 188, 128) }
```

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

```
.border{ border-color:rgb(189, 188, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 188, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 188, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 188, 128);  
box-shadow:4px 4px 4px 4px rgb(189, 188,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3438, 0.3611, 0.4073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 188, 128) }
```

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

```
.background{ background-color: rgb(189,  
188, 128) }
```

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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