

Converting Colors

$Yxy(45.8899, 0.3497, 0.3837)$

Have a look what the booklet for
Yxy(45.8899, 0.3497, 0.3837)
contains.

| | |
|--|----|
| Yxy(45.8181, 0.3498, 0.3836) | 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(45.8181, 0.3498, 0.3836)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BAB68D |
| RGB | 186, 182, 141 |
| RGB Percent | 73%, 71%, 55% |
| CMY | 0.2707, 0.2862, 0.4470 |
| CMYK | 0.00, 0.02, 0.24, 0.27 |
| HSL | 55°, 25%, 64% |
| HSV | 55°, 24%, 73% |
| XYZ | 41.7809, 45.8181, 31.8433 |
| YIQ | 178.5220, 15.5450, -11.9030 |

Conversions

Conversions Part 2

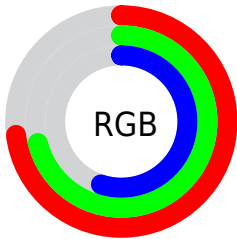
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 145, 186, 141 |
| Decimal | 12236429 |
| CIE Lab | 73.43, -5.29, 21.43 |
| CIE LCh | 73, 22.073, 103.861 |
| Yxy | 45.8181, 0.3498, 0.3836 |
| Android (android.graphics.Color) | 4290426509 (0xFFBAB68D) |
| YUV | 178.5220, -18.4983, 6.5582 |
| Hunter-Lab | 67.6891, -8.2771, 19.4902 |

Details

The Yxy color $45.8181, 0.3498, 0.3836$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $29.4488, 0.2725, 0.2678$, and the grayscale version is $44.9052, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.9664, 0.3427, 0.3735$, and $21.3614, 0.3591, 0.3984$ is the 20% darker color. If you saturate the color by 10%, you get $44.6449, 0.3657, 0.4063$, and if you desaturate by 10%, it is $47.0962, 0.3340, 0.3607$.

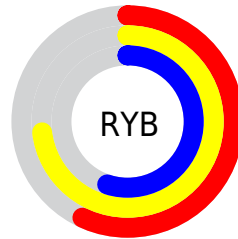
Distribution



Red (73%)

Green (71%)

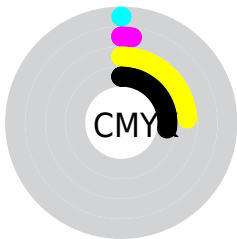
Blue (55%)



Red (57%)

Yellow (73%)

Blue (55%)

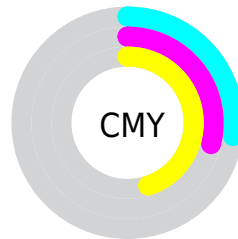


Cyan (0%)

Magenta (2%)

Yellow (24%)

Black (27%)



Cyan (27%)


Magenta (29%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8181, 0.3498, 0.3836 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 45.8181, 0.3498, 0.3836 by changing the saturation by 10% instead.


 45.8181, 0.3498,
0.3836

 45.8181, 0.3498,
0.3836

370.0769, 0.3315,
0.3560

 32.1023, 0.3543,
0.3905


 83.9467, 0.3432,
0.3735

 21.4397, 0.3599,
0.3994


 109.1283, 0.3407,
0.3698

 13.4458, 0.3672,
0.4113


 138.9006, 0.3386,
0.3666

 7.7362, 0.3770,
0.4277

173.6481, 0.3368,
0.3638

 3.9266, 0.3905,
0.4517

213.7550, 0.3352,
0.3615

 1.6326, 0.4379,
0.5235

259.6059, 0.3338,

 0.3794, 0.3790,

0.3594

0.6210

311.5850, 0.3326,
0.3576

0.0000, 0.0000,
0.0000

45.8181, 0.3498,
0.3836

45.8181, 0.3498,
0.3836

44.6449, 0.3657,
0.4063

47.0962, 0.3340,
0.3607

43.5659, 0.3812,
0.4281

48.4774, 0.3188,
0.3382

42.5779, 0.3958,
0.4478

49.9678, 0.3045,
0.3166

41.6755, 0.4087,
0.4646

51.5713, 0.2910,
0.2963

40.8523, 0.4195,
0.4777

53.2915, 0.2787,
0.2774

■ 40.1012, 0.4277,
0.4865

■ 55.1319, 0.2674,
0.2599

■ 39.4134, 0.4332,
0.4910

■ 56.0088, 0.2662,
0.2595

■ 39.0319, 0.4357,
0.4923

■ 56.7395, 0.2664,
0.2614

■ 57.4784, 0.2666,
0.2633

Harmonies

Analogous

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



45.8181, 0.3698, 0.3710



45.8181, 0.3498, 0.3836



45.8181, 0.3204, 0.3807

Triad

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



45.8181, 0.3498, 0.3836



45.8181, 0.2551, 0.3045



45.8181, 0.3341, 0.2994

Complementary

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



45.8181, 0.3498, 0.3836



29.4488, 0.2725, 0.2678

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.



45.8181, 0.3026, 0.2833



45.8181, 0.3498, 0.3836



45.8181, 0.2582, 0.2850

Square

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



45.8181, 0.3498, 0.3836



45.8181, 0.2664, 0.3327



45.8181, 0.2751, 0.2779



45.8181, 0.3608, 0.3227

Rectangle

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



45.8181, 0.3498, 0.3836



45.8181, 0.2997, 0.3694



45.8181, 0.2751, 0.2779



45.8181, 0.3237, 0.2930

Sweetspot

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



45.8202, 0.3498, 0.3836



87.1400, 0.3232, 0.3447



31.5478, 0.3574, 0.3229



19.1560, 0.3241, 0.3460



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.



45.8202, 0.3498, 0.3836



81.9260, 0.3582, 0.3957



45.3535, 0.3326, 0.3917



10.3644, 0.3266, 0.3496



26.3235, 0.4354, 0.4925



0.9679, 0.4308, 0.4961

Inverse Universe

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



29.4488, 0.2725, 0.2678



47.1113, 0.2624, 0.2521



29.9664, 0.2888, 0.2648



8.8433, 0.2984, 0.3075



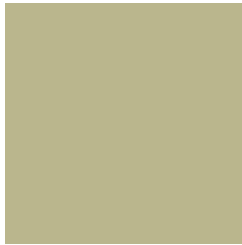
2.6912, 0.1519, 0.0669



0.1377, 0.1590, 0.0924

Previews

White Background



This preview shows how the Yxy color 45.8181, 0.3498, 0.3836 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 45.8181, 0.3498, 0.3836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

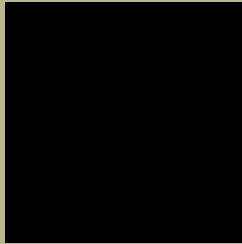
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

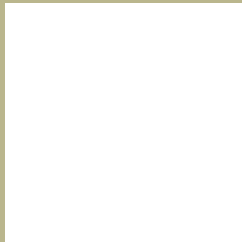
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8181, 0.3498, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 45.8181, 0.3498, 0.3836.



This preview shows how white text looks on a background with the Yxy color 45.8181, 0.3498, 0.3836.

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

45.8181, 0.3498, 0.3836

Protanopia

45.7424, 0.3568, 0.3814

Deuteranopia

45.5719, 0.3737, 0.3664



Tritanopia

45.9313, 0.3161, 0.3126

Trichromacy



Original Color

45.8181, 0.3498, 0.3836

Protanomaly

45.8883, 0.3547, 0.3830

Deuteranomaly

45.4212, 0.3649, 0.3725

Tritanomaly

45.7665, 0.3282, 0.3368

Monochromacy



Original Color

45.8181, 0.3498, 0.3836

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.3042, 0.3267, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8181, 0.3498, 0.3836 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(186, 182, 141)` looks like.

```
.text, #text, p{  
    color:rgb(186, 182, 141)  
}
```

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(186, 182, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 182, 141) }
```

Border

The CSS property to change the border of an element to Yxy 45.8181, 0.3498, 0.3836 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(186, 182, 141) }
```

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

```
.border{ border-color:rgb(186, 182, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 182, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 182, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 182, 141);  
box-shadow:4px 4px 4px 4px rgb(186, 182,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8181, 0.3498, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 182, 141) }
```

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

```
.background{ background-color: rgb(186,  
182, 141) }
```

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