

Converting Colors

$Y_{xy}(47.2982, 0.3279, 0.3803)$

Have a look what the booklet for
Yxy(47.2982, 0.3279, 0.3803)
contains.

Yxy(47.4002, 0.3278, 0.3808)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.4002, 0.3278, 0.3808)

Conversions

Conversions Part 1

Format	Color
Hex	ACBD97
RGB	172, 189, 151
RGB Percent	67%, 74%, 59%
CMY	0.3253, 0.2588, 0.4079
CMYK	0.09, 0.00, 0.20, 0.26
HSL	87°, 22%, 67%
HSV	87°, 20%, 74%
XYZ	40.8030, 47.4002, 36.2721
YIQ	179.5850, 2.0660, -15.4220

Conversions

Conversions Part 2

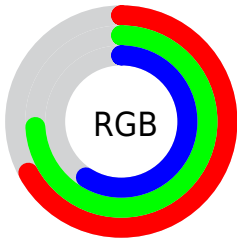
Format	Color
RYB	151, 189, 168
Decimal	11320727
CIELab	74.45, -12.66, 17.30
CIELCh	74, 21.436, 126.212
Yxy	47.4002, 0.3278, 0.3808
Android (android.graphics.Color)	4289510807 (0xFFACBD97)
YUV	179.5850, -14.0924, -6.6520
Hunter-Lab	68.8478, -14.6947, 16.9568

Details

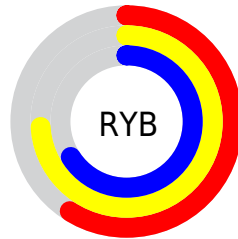
The Yxy color $47.4002, 0.3278, 0.3808$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $34.1225, 0.2951, 0.2767$, and the grayscale version is $45.4880, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.2066, 0.3258, 0.3711$, and $22.4504, 0.3308, 0.3969$ is the 20% darker color. If you saturate the color by 10%, you get $45.9125, 0.3349, 0.4090$, and if you desaturate by 10%, it is $49.0509, 0.3203, 0.3541$.

Distribution



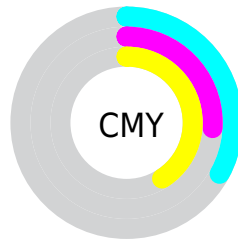
- Red (67%)
- Green (74%)
- Blue (59%)



- Red (59%)
- Yellow (74%)
- Blue (66%)



- Cyan (9%)
- Magenta (0%)
- Yellow (20%)
- Black (26%)




- Cyan (33%)
- Magenta (26%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4002, 0.3278, 0.3808 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 47.4002, 0.3278, 0.3808 by changing the saturation by 10% instead.


 47.4002, 0.3278,
0.3808

 47.4002, 0.3278,
0.3808

376.4097, 0.3206,
0.3544

 33.3521, 0.3295,
0.3876


 86.3107, 0.3253,
0.3711

 22.3963, 0.3315,
0.3963


 111.9419, 0.3243,
0.3675

 14.1484, 0.3341,
0.4081


142.2030, 0.3235,
0.3644

 8.2240, 0.3373,
0.4249

177.4783, 0.3228,
0.3618

 4.2386, 0.3413,
0.4502

218.1522, 0.3221,
0.3596

 1.8079, 0.3513,
0.5012

264.6091, 0.3216,

 0.4921, 0.2437,

0.3576

0.7563

317.2335, 0.3211,
0.3559

0.0000, 0.0000,
0.0000

47.4002, 0.3278,
0.3808

47.4002, 0.3278,
0.3808

45.9125, 0.3349,
0.4090

49.0509, 0.3203,
0.3541

44.5760, 0.3414,
0.4380

50.8640, 0.3128,
0.3293

43.3864, 0.3467,
0.4668

52.8467, 0.3054,
0.3065

42.3370, 0.3504,
0.4942

55.0038, 0.2984,
0.2859

41.4205, 0.3521,
0.5187

57.3401, 0.2917,
0.2674

■ 40.6286, 0.3515,
0.5391

■ 59.2406, 0.2915,
0.2594

■ 39.9517, 0.3486,
0.5544

■ 60.6101, 0.2977,
0.2607

■ 39.3776, 0.3441,
0.5650

■ 62.0472, 0.3040,
0.2620

■ 63.5528, 0.3104,
0.2633

Harmonies

Analogous

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



47.4002, 0.3544, 0.3796



47.4002, 0.3278, 0.3808



47.4002, 0.2980, 0.3661

Triad

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



47.4002, 0.3278, 0.3808



47.4002, 0.2582, 0.2905



47.4002, 0.3533, 0.3169

Complementary

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



47.4002, 0.3278, 0.3808



34.1225, 0.2951, 0.2767

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.



47.4002, 0.3257, 0.2957



47.4002, 0.3278, 0.3808



47.4002, 0.2713, 0.2804

Square

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



47.4002, 0.3278, 0.3808



47.4002, 0.2588, 0.3119



47.4002, 0.2956, 0.2826



47.4002, 0.3699, 0.3416

Rectangle

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



47.4002, 0.3278, 0.3808



47.4002, 0.2804, 0.3494



47.4002, 0.2956, 0.2826



47.4002, 0.3449, 0.3092

Sweetspot

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



47.4023, 0.3278, 0.3808



89.1236, 0.3173, 0.3439



40.8580, 0.3478, 0.3511



19.1208, 0.3178, 0.3455



95.5105, 0.3127, 0.3290



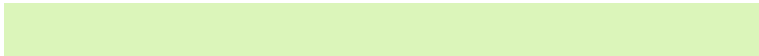
19.5994, 0.3127, 0.3290

Same Dimension

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



47.4023, 0.3278, 0.3808



83.7284, 0.3309, 0.3927



45.4501, 0.3122, 0.3833



10.9031, 0.3198, 0.3521



26.5422, 0.3450, 0.5643



1.0779, 0.3625, 0.5504

Inverse Universe

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



34.1225, 0.2951, 0.2767



55.7531, 0.2906, 0.2645



36.3010, 0.3126, 0.2794



9.4280, 0.3052, 0.3058



3.7935, 0.1934, 0.0839



0.1874, 0.2213, 0.0993

Previews

White Background



This preview shows how the Yxy color 47.4002, 0.3278, 0.3808 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 47.4002, 0.3278, 0.3808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

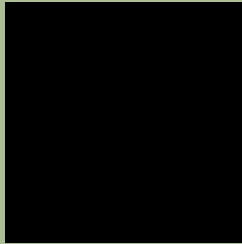
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4002, 0.3278, 0.3808

Background



This preview shows how black text looks on a background with the Yxy color 47.4002, 0.3278, 0.3808.



This preview shows how white text looks on a background with the Yxy color 47.4002, 0.3278, 0.3808.

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

47.4002, 0.3278, 0.3808

Protanopia

47.0633, 0.3513, 0.3731

Deuteranopia

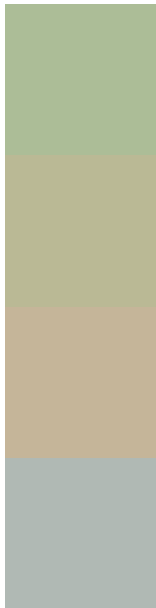
47.2326, 0.3637, 0.3562



Tritanopia

47.4819, 0.2987, 0.3110

Trichromacy



Original Color

47.4002, 0.3278, 0.3808

Protanomaly

47.3070, 0.3425, 0.3766

Deuteranomaly

47.2180, 0.3501, 0.3650

Tritanomaly

47.2233, 0.3091, 0.3356

Monochromacy



Original Color

47.4002, 0.3278, 0.3808

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.0787, 0.3187, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4002, 0.3278, 0.3808 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(172, 189, 151)` looks like.

```
.text, #text, p{  
    color:rgb(172, 189, 151)  
}
```

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(172, 189, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 189, 151) }
```

Border

The CSS property to change the border of an element to Yxy 47.4002, 0.3278, 0.3808 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(172, 189, 151) }
```

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

```
.border{ border-color:rgb(172, 189, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 189, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 189, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 189, 151);  
box-shadow:4px 4px 4px 4px rgb(172, 189,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4002, 0.3278, 0.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 189, 151) }
```

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

```
.background{ background-color: rgb(172,  
189, 151) }
```

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