

Converting Colors

$Y_{xy}(47.3520, 0.3637, 0.3908)$

Have a look what the booklet for
Yxy(47.3520, 0.3637, 0.3908)
contains.

Yxy(47.3520, 0.3637, 0.3908)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.3520, 0.3637, 0.3908)

Conversions

Conversions Part 1

Format	Color
Hex	C4B787
RGB	196, 183, 135
RGB Percent	77%, 72%, 53%
CMY	0.2315, 0.2823, 0.4705
CMYK	0.00, 0.07, 0.31, 0.23
HSL	47°, 34%, 65%
HSV	47°, 31%, 77%
XYZ	44.0684, 47.3520, 29.7465
YIQ	181.4150, 23.1560, -12.1720

Conversions

Conversions Part 2

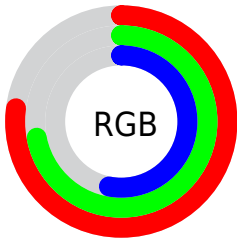
Format	Color
RYB	152, 196, 135
Decimal	12892039
CIELab	74.41, -2.73, 26.11
CIELCh	74, 26.255, 95.962
Yxy	47.3520, 0.3637, 0.3908
Android (android.graphics.Color)	4291082119 (0xFFC4B787)
YUV	181.4150, -22.8826, 12.7910
Hunter-Lab	68.8128, -6.1092, 22.5390

Details

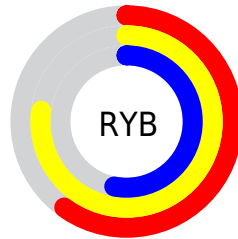
The Yxy color **47.3520, 0.3637, 0.3908** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.3135, 0.2604, 0.2584**, and the grayscale version is **46.5623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2898, 0.3543, 0.3795**, and **22.2839, 0.3767, 0.4074** is the 20% darker color. If you saturate the color by 10%, you get **45.1573, 0.3816, 0.4106**, and if you desaturate by 10%, it is **49.7036, 0.3463, 0.3705**.

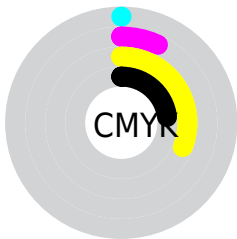
Distribution



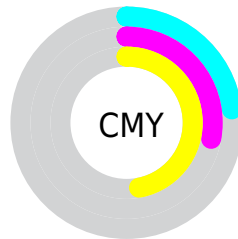
- Red (77%)
- Green (72%)
- Blue (53%)



- Red (60%)
- Yellow (77%)
- Blue (53%)



- Cyan (0%)
- Magenta (7%)
- Yellow (31%)
- Black (23%)





- Cyan (23%)
- Magenta (28%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3520, 0.3637, 0.3908 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 47.3520, 0.3637, 0.3908 by changing the saturation by 10% instead.


 47.3520, 0.3637,
0.3908

 47.3520, 0.3637,
0.3908


376.2178, 0.3386,
0.3600


 33.3140, 0.3697,
0.3983


 86.2388, 0.3547,
0.3797

 22.3671, 0.3773,
0.4079


 111.8564, 0.3513,
0.3755

 14.1269, 0.3871,
0.4203


 142.1027, 0.3484,
0.3719

 8.2090, 0.4000,
0.4371

177.3620, 0.3459,
0.3689

 4.2290, 0.4172,
0.4603

218.0188, 0.3437,
0.3662

 1.8024, 0.4716,
0.5284

264.4574, 0.3418,

 0.4887, 0.4488,

0.3639

0.5512

317.0623, 0.3401,
0.3619

0.0000, 0.0000,
0.0000

47.3520, 0.3637,
0.3908

47.3520, 0.3637,
0.3908

45.1573, 0.3816,
0.4106

49.7036, 0.3463,
0.3705

43.1070, 0.3994,
0.4291

52.2111, 0.3298,
0.3505

41.1967, 0.4165,
0.4452

54.8820, 0.3143,
0.3311

39.4191, 0.4320,
0.4580

57.7213, 0.3002,
0.3127

37.7660, 0.4452,
0.4665

60.7335, 0.2873,
0.2956

■ 36.2276, 0.4557,
0.4704

■ 63.9232, 0.2756,
0.2797

■ 34.9395, 0.4629,
0.4707

■ 66.1362, 0.2746,
0.2820

■ 68.2501, 0.2750,
0.2867

■ 70.4181, 0.2754,
0.2914

Harmonies

Analogous

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



47.3520, 0.3831, 0.3717



47.3520, 0.3637, 0.3908



47.3520, 0.3311, 0.3932

Triad

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



47.3520, 0.3637, 0.3908



47.3520, 0.2473, 0.3079



47.3520, 0.3281, 0.2886

Complementary

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



47.3520, 0.3637, 0.3908



30.3135, 0.2604, 0.2584

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.



47.3520, 0.2913, 0.2728



47.3520, 0.3637, 0.3908



47.3520, 0.2465, 0.2819

Square

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



47.3520, 0.3637, 0.3908



47.3520, 0.2645, 0.3426



47.3520, 0.2621, 0.2700



47.3520, 0.3623, 0.3137

Rectangle

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



47.3520, 0.3637, 0.3908



47.3520, 0.3066, 0.3833



47.3520, 0.2621, 0.2700



47.3520, 0.3155, 0.2821

Sweetspot

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



47.3542, 0.3637, 0.3908



95.5337, 0.3266, 0.3466



31.2123, 0.3672, 0.3115



20.2986, 0.3290, 0.3495



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



47.3542, 0.3637, 0.3908



83.1974, 0.3753, 0.4037



50.7684, 0.3441, 0.4098



11.3828, 0.3270, 0.3470



22.5846, 0.4622, 0.4712



1.0690, 0.4509, 0.4802

Inverse Universe

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



30.3135, 0.2604, 0.2584



47.6948, 0.2481, 0.2408



28.0224, 0.2736, 0.2424



10.0876, 0.2983, 0.3103



3.7149, 0.1565, 0.0833



0.2637, 0.1682, 0.1256

Previews

White Background



This preview shows how the Yxy color 47.3520, 0.3637, 0.3908 looks on a white background.

Color Contrast Check

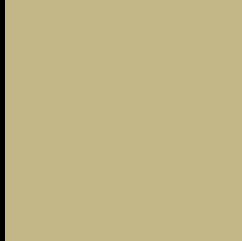
Large Text (above 18pt) WCAG AA × Fail

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 47.3520, 0.3637, 0.3908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

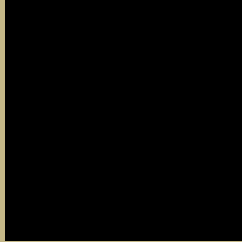
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.3520, 0.3637, 0.3908

Background



This preview shows how black text looks on a background with the Yxy color 47.3520, 0.3637, 0.3908.



This preview shows how white text looks on a background with the Yxy color 47.3520, 0.3637, 0.3908.

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

47.3520, 0.3637, 0.3908

Protanopia

47.3520, 0.3637, 0.3908

Deuteranopia

47.0650, 0.3840, 0.3752



Tritanopia

47.3249, 0.3240, 0.3118

Trichromacy



Original Color

47.3520, 0.3637, 0.3908

Protanomaly

47.3520, 0.3637, 0.3908

Deuteranomaly

47.1737, 0.3770, 0.3811

Tritanomaly

47.4218, 0.3388, 0.3404

Monochromacy



Original Color

47.3520, 0.3637, 0.3908

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.5753, 0.3307, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3520, 0.3637, 0.3908 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(196, 183, 135)` looks like.

```
.text, #text, p{  
    color:rgb(196, 183, 135)  
}
```

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(196, 183, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 183, 135) }
```

Border

The CSS property to change the border of an element to Yxy 47.3520, 0.3637, 0.3908 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(196, 183, 135) }
```

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

```
.border{ border-color:rgb(196, 183, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 183, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 183, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 183, 135);  
box-shadow:4px 4px 4px 4px rgb(196, 183,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3520, 0.3637, 0.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 183, 135) }
```

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

```
.background{ background-color: rgb(196,  
183, 135) }
```

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