

# Converting Colors

$Y_{xy}(46.1972, 0.3898, 0.4272)$

Have a look what the booklet for  
Yxy(46.1972, 0.3898, 0.4272)  
contains.

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# Color

**Yxy(46.3257, 0.3898, 0.4274)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5B668
RGB	197, 182, 104
RGB Percent	77%, 71%, 41%
CMY	0.2275, 0.2862, 0.5921
CMYK	0.00, 0.08, 0.47, 0.23
HSL	50°, 44%, 59%
HSV	50°, 47%, 77%
XYZ	42.2503, 46.3257, 19.8136
YIQ	177.5930, 33.9780, -21.0780

# Conversions

## Conversions Part 2

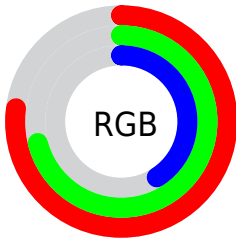
Format	Color
<a href="#">RYB</a>	<a href="#">122, 197, 104</a>
Decimal	<a href="#">12957288</a>
CIELab	<a href="#">73.76, -5.29, 41.42</a>
CIELCh	<a href="#">74, 41.753, 97.276</a>
Yxy	<a href="#">46.3257, 0.3898, 0.4274</a>
Android (android.graphics.Color)	<a href="#">4291147368 (0xFFC5B668)</a>
YUV	<a href="#">177.5930, -36.2813, 17.0199</a>
Hunter-Lab	<a href="#">68.0630, -8.3059, 30.3844</a>

# Details

The Yxy color **46.3257, 0.3898, 0.4274** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.1646, 0.2282, 0.2056**, and the grayscale version is **44.4770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8434, 0.3765, 0.4100**, and **21.6296, 0.4082, 0.4528** is the 20% darker color. If you saturate the color by 10%, you get **44.6880, 0.4058, 0.4454**, and if you desaturate by 10%, it is **48.0906, 0.3730, 0.4074**.

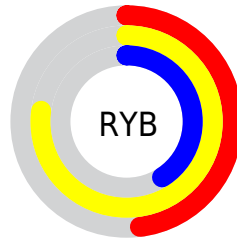
# Distribution



Red (77%)

Green (71%)

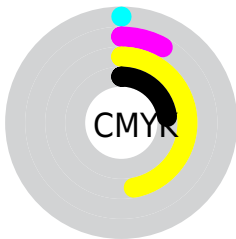
Blue (41%)



Red (48%)

Yellow (77%)

Blue (41%)

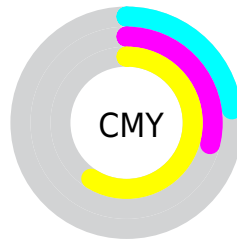


Cyan (0%)

Magenta (8%)

Yellow (47%)

Black (23%)



Cyan (23%)

Magenta (29%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3257, 0.3898, 0.4274 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 46.3257, 0.3898, 0.4274 by changing the saturation by 10% instead.




 46.3257, 0.3898,  
0.4274


 46.3257, 0.3898,  
0.4274


372.1165, 0.3528,  
0.3789

 32.5029, 0.3981,  
0.4388


 84.7062, 0.3769,  
0.4102


 21.7459, 0.4081,  
0.4529


 110.0328, 0.3719,  
0.4036

 13.6703, 0.4201,  
0.4704


 139.9627, 0.3676,  
0.3979

 7.8917, 0.4339,  
0.4920

 174.8803, 0.3639,  
0.3931

 4.0257, 0.4639,  
0.5361

215.1701, 0.3606,  
0.3888

 1.6880, 0.4558,  
0.5442

261.2165, 0.3577,

 0.4159, 0.3903,

0.3851

0.6097

313.4039, 0.3551,  
0.3818

0.0000, 0.0000,  
0.0000

46.3257, 0.3898,  
0.4274

46.3257, 0.3898,  
0.4274

44.6880, 0.4058,  
0.4454

48.0906, 0.3730,  
0.4074

43.1644, 0.4204,  
0.4602

49.9825, 0.3560,  
0.3862

41.7492, 0.4327,  
0.4712

52.0092, 0.3394,  
0.3648

40.4336, 0.4424,  
0.4777

54.1758, 0.3235,  
0.3437

39.2053, 0.4493,  
0.4798

56.4875, 0.3087,  
0.3234

■ 38.8709, 0.4511,  
0.4801

■ 58.9488, 0.2950,  
0.3043

■ 61.5641, 0.2824,  
0.2865

■ 63.9052, 0.2748,  
0.2767

■ 65.4621, 0.2751,  
0.2803

# Harmonies

## Analogous

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



46.3257, 0.4237, 0.3944



46.3257, 0.3898, 0.4274



46.3257, 0.3369, 0.4342

# Triad

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



46.3257, 0.3898, 0.4274



46.3257, 0.2110, 0.2906



46.3257, 0.3388, 0.2681

# Complementary

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



46.3257, 0.3898, 0.4274



20.1646, 0.2282, 0.2056

# 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.



46.3257, 0.2803, 0.2439



46.3257, 0.3898, 0.4274



46.3257, 0.2114, 0.2527

# Square

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



46.3257, 0.3898, 0.4274



46.3257, 0.2349, 0.3471



46.3257, 0.2353, 0.2376



46.3257, 0.3943, 0.3058



# Rectangle

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



46.3257, 0.3898, 0.4274



46.3257, 0.2985, 0.4179



46.3257, 0.2353, 0.2376



46.3257, 0.3186, 0.2583

# Sweetspot

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



46.3279, 0.3898, 0.4274



94.2959, 0.3345, 0.3584



23.1151, 0.4185, 0.3087



20.0049, 0.3381, 0.3631



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.



46.3279, 0.3898, 0.4274



79.8591, 0.4069, 0.4465



49.0322, 0.3543, 0.4550



12.1148, 0.3269, 0.3482



25.6738, 0.4506, 0.4804



1.2957, 0.4430, 0.4864



# Inverse Universe

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



20.1646, 0.2282, 0.2056



27.3049, 0.2074, 0.1725



19.0842, 0.2520, 0.1922



10.5589, 0.2983, 0.3090



3.4032, 0.1542, 0.0749



0.2504, 0.1636, 0.1088



# Previews

## White Background



This preview shows how the Yxy color 46.3257, 0.3898, 0.4274 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 46.3257, 0.3898, 0.4274 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

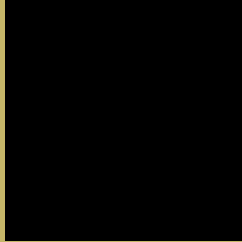
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.3257, 0.3898, 0.4274**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.3257, 0.3898, 0.4274.



This preview shows how white text looks on a background with the Yxy color 46.3257, 0.3898, 0.4274.

# 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

46.3257, 0.3898, 0.4274

### Protanopia

46.1893, 0.3923, 0.4256

### Deuteranopia

46.1434, 0.4155, 0.4074



## Tritanopia

46.0294, 0.3306, 0.3119

# Trichromacy



## Original Color

46.3257, 0.3898, 0.4274

## Protanomaly

46.0530, 0.3913, 0.4259

## Deuteranomaly

46.0676, 0.4068, 0.4144

## Tritanomaly

46.0075, 0.3535, 0.3544

# Monochromacy



## Original Color

46.3257, 0.3898, 0.4274

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.7889, 0.3413, 0.3664

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.3257, 0.3898, 0.4274 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(197, 182, 104)` looks like.

```
.text, #text, p{  
    color:rgb(197, 182, 104)  
}
```

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(197, 182, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 182, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3257, 0.3898, 0.4274 is called "border". The border property can be set on classes, ids or directly on the HTML element.

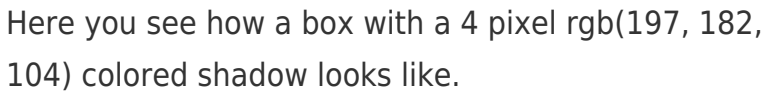
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 182, 104) }
```

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

```
.border{ border-color:rgb(197, 182, 104) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 182, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 182, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 182, 104);  
box-shadow:4px 4px 4px 4px rgb(197, 182,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3257, 0.3898, 0.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 182, 104) }
```

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

```
.background{ background-color: rgb(197,  
182, 104) }
```

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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