

Converting Colors

$Yxy(41.8947, 0.3827, 0.3957)$

Have a look what the booklet for
Yxy(41.8947, 0.3827, 0.3957)
contains.

Yxy(41.8171, 0.3830, 0.3957)	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(41.8171, 0.3830, 0.3957)

Conversions

Conversions Part 1

Format	Color
Hex	C4AA77
RGB	196, 170, 119
RGB Percent	77%, 67%, 47%
CMY	0.2312, 0.3334, 0.5334
CMYK	0.00, 0.13, 0.39, 0.23
HSL	40°, 40%, 62%
HSV	40°, 39%, 77%
XYZ	40.4750, 41.8171, 23.3867
YIQ	171.9600, 31.8670, -10.3490

Conversions

Conversions Part 2

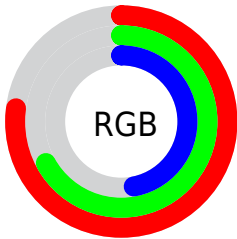
Format	Color
RYB	158, 196, 119
Decimal	12888695
CIELab	70.74, 2.27, 29.78
CIELCh	71, 29.871, 85.637
Yxy	41.8171, 0.3830, 0.3957
Android (android.graphics.Color)	4291078775 (0xFFC4AA77)
YUV	171.9600, -26.1093, 21.0831
Hunter-Lab	64.6661, -1.4414, 23.8239

Details

The Yxy color **41.8171, 0.3830, 0.3957** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.1667, 0.2471, 0.2513**, and the grayscale version is **41.3581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8998, 0.3702, 0.3833**, and **19.0618, 0.4026, 0.4133** is the 20% darker color. If you saturate the color by 10%, you get **38.9740, 0.4039, 0.4120**, and if you desaturate by 10%, it is **44.8864, 0.3630, 0.3785**.

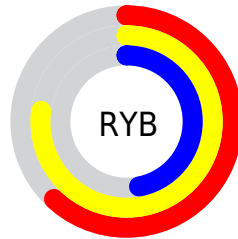
Distribution



Red (77%)

Green (67%)

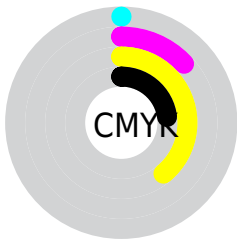
Blue (47%)



Red (62%)

Yellow (77%)

Blue (47%)

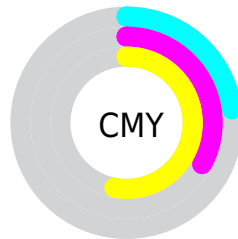


Cyan (0%)

Magenta (13%)

Yellow (39%)

Black (23%)



Cyan (23%)


Magenta (33%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8171, 0.3830, 0.3957 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 41.8171, 0.3830, 0.3957 by changing the saturation by 10% instead.


 41.8171, 0.3830,
0.3957

 41.8171, 0.3830,
0.3957

353.7242, 0.3476,
0.3625

 28.9581, 0.3917,
0.4037


 77.9227, 0.3702,
0.3838

 19.0491, 0.4027,
0.4138


 101.9382, 0.3654,
0.3792

 11.7058, 0.4170,
0.4267


 130.4412, 0.3613,
0.3754

 6.5437, 0.4358,
0.4433

163.8162, 0.3578,
0.3721

 3.1784, 0.4671,
0.4709

202.4476, 0.3547,
0.3692

 1.2256, 0.5019,
0.4981

246.7198, 0.3521,

 0.0824, 0.6188,

0.3667

0.3812

297.0172, 0.3497,
0.3645

0.0000, 0.0000,
0.0000

41.8171, 0.3830,
0.3957

41.8171, 0.3830,
0.3957

38.9740, 0.4039,
0.4120

44.8864, 0.3630,
0.3785

36.3435, 0.4251,
0.4265

48.1833, 0.3443,
0.3611

33.9190, 0.4456,
0.4379

51.7167, 0.3272,
0.3441


31.6908, 0.4645,
0.4452

55.4931, 0.3117,
0.3279


29.6482, 0.4806,
0.4476

59.5185, 0.2978,
0.3127

 27.7733, 0.4939,
0.4455

 63.7988, 0.2854,
0.2985

 27.6473, 0.4949,
0.4453

 68.2615, 0.2750,
0.2867

 71.7327, 0.2756,
0.2942

 75.3424, 0.2762,
0.3015

Harmonies

Analogous

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



41.8171, 0.3990, 0.3678



41.8171, 0.3830, 0.3957



41.8171, 0.3483, 0.4073

Triad

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



41.8171, 0.3830, 0.3957



41.8171, 0.2407, 0.3169



41.8171, 0.3153, 0.2739

Complementary

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



41.8171, 0.3830, 0.3957



28.1667, 0.2471, 0.2513

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.



41.8171, 0.2740, 0.2603



41.8171, 0.3830, 0.3957



41.8171, 0.2332, 0.2818

Square

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



41.8171, 0.3830, 0.3957



41.8171, 0.2664, 0.3596



41.8171, 0.2449, 0.2624



41.8171, 0.3586, 0.2998

Rectangle

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



41.8171, 0.3830, 0.3957



41.8171, 0.3200, 0.4016



41.8171, 0.2449, 0.2624



41.8171, 0.3007, 0.2678

Sweetspot

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



41.8190, 0.3830, 0.3957



91.7619, 0.3320, 0.3489



27.0047, 0.3751, 0.2931



19.4573, 0.3342, 0.3512



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.



41.8190, 0.3830, 0.3957



71.3580, 0.4006, 0.4096



51.0751, 0.3608, 0.4289



11.1664, 0.3273, 0.3442



17.9226, 0.4935, 0.4463



0.8976, 0.4731, 0.4626

Inverse Universe

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



28.1667, 0.2471, 0.2513



43.2986, 0.2321, 0.2309



21.9668, 0.2511, 0.2134



10.2919, 0.2984, 0.3133



5.2266, 0.1642, 0.1109



0.3547, 0.1771, 0.1576

Previews

White Background



This preview shows how the Yxy color 41.8171, 0.3830, 0.3957 looks on a white background.

Color Contrast Check

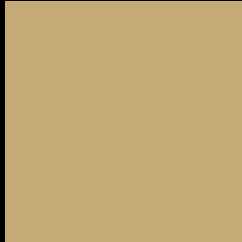
Large Text (above 18pt) WCAG AA × Fail

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 41.8171, 0.3830, 0.3957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

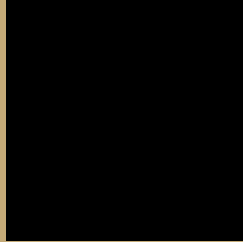
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8171, 0.3830, 0.3957

Background



This preview shows how black text looks on a background with the Yxy color 41.8171, 0.3830, 0.3957.



This preview shows how white text looks on a background with the Yxy color 41.8171, 0.3830, 0.3957.

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

41.8171, 0.3830, 0.3957

Protanopia

41.8080, 0.3718, 0.4004

Deuteranopia

41.8939, 0.3950, 0.3870



Tritanopia

41.8461, 0.3390, 0.3139

Trichromacy



Original Color

41.8171, 0.3830, 0.3957

Protanomaly

41.8083, 0.3752, 0.3984

Deuteranomaly

41.6900, 0.3905, 0.3891

Tritanomaly

41.9184, 0.3552, 0.3433

Monochromacy



Original Color

41.8171, 0.3830, 0.3957

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.2495, 0.3375, 0.3536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8171, 0.3830, 0.3957 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, 170, 119)` looks like.

```
.text, #text, p{  
    color:rgb(196, 170, 119)  
}
```

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, 170, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 170, 119) }
```

Border

The CSS property to change the border of an element to Yxy 41.8171, 0.3830, 0.3957 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, 170, 119) }
```

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

```
.border{ border-color:rgb(196, 170, 119) }
```

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

Here you see how a box with a 4 pixel rgb(196, 170, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 170, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 170, 119);  
box-shadow:4px 4px 4px 4px rgb(196, 170,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8171, 0.3830, 0.3957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 170, 119) }
```

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

```
.background{ background-color: rgb(196,  
170, 119) }
```

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