

# Converting Colors

$Yxy(42.2887, 0.3466, 0.3450)$

Have a look what the booklet for  
Yxy(42.2887, 0.3466, 0.3450)  
contains.

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# Color

**Yxy(42.2796, 0.3468, 0.3448)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C2A99D
RGB	194, 169, 157
RGB Percent	76%, 66%, 62%
CMY	0.2391, 0.3373, 0.3843
CMYK	0.00, 0.13, 0.19, 0.24
HSL	19°, 23%, 69%
HSV	19°, 19%, 76%
XYZ	42.5248, 42.2796, 37.8162
YIQ	175.1070, 18.7520, 1.5680

# Conversions

## Conversions Part 2

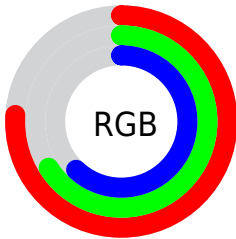
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 175, 157
Decimal	12757405
CIELab	71.06, 7.15, 9.53
CIElCh	71, 11.907, 53.125
Yxy	42.2796, 0.3468, 0.3448
Android (android.graphics.Color)	4290947485 (0xFFC2A99D)
YUV	175.1070, -8.9268, 16.5692
Hunter-Lab	65.0228, 2.9490, 11.0338

# Details

The Yxy color  $42.2796, 0.3468, 0.3448$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $44.5260, 0.2835, 0.3126$ , and the grayscale version is  $42.9695, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $78.5740, 0.3402, 0.3413$ , and  $19.3386, 0.3567, 0.3488$  is the 20% darker color. If you saturate the color by 10%, you get  $37.0341, 0.3694, 0.3537$ , and if you desaturate by 10%, it is  $48.1234, 0.3276, 0.3363$ .

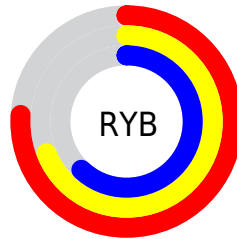
# Distribution



Red (76%)

Green (66%)

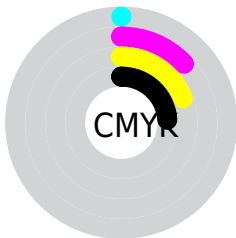
Blue (62%)



Red (76%)

Yellow (69%)

Blue (62%)

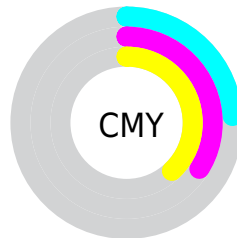


Cyan (0%)

Magenta (13%)

Yellow (19%)

Black (24%)



Cyan (24%)

Magenta (34%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2796, 0.3468, 0.3448 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 42.2796, 0.3468, 0.3448 by changing the saturation by 10% instead.




 42.2796, 0.3468,  
0.3448


 42.2796, 0.3468,  
0.3448


355.6407, 0.3294,  
0.3370

 29.3203, 0.3513,  
0.3467


 78.6226, 0.3404,  
0.3420

 19.3232, 0.3571,  
0.3492


 102.7751, 0.3380,  
0.3409

 11.9041, 0.3650,  
0.3524


131.4274, 0.3360,  
0.3400

 6.6784, 0.3762,  
0.3567

164.9640, 0.3343,  
0.3392

 3.2618, 0.3934,  
0.3630

203.7692, 0.3328,  
0.3386

 1.2699, 0.4268,  
0.3757

248.2275, 0.3315,

 0.1177, 0.7086,

0.3380

0.2914

298.7232, 0.3304,  
0.3375

0.0000, 0.0000,  
0.0000

42.2796, 0.3468,  
0.3448

42.2796, 0.3468,  
0.3448

37.0341, 0.3694,  
0.3537

48.1234, 0.3276,  
0.3363

32.3619, 0.3957,  
0.3625

54.5782, 0.3113,  
0.3283

28.2445, 0.4258,  
0.3708

61.6635, 0.2976,  
0.3209

24.6603, 0.4592,  
0.3777

69.3959, 0.2859,  
0.3141

21.5860, 0.4948,  
0.3820

77.7918, 0.2760,  
0.3079

■ 18.9967, 0.5301,  
0.3825

■ 85.6237, 0.2767,  
0.3211

■ 16.8646, 0.5622,  
0.3783

■ 90.2116, 0.2773,  
0.3289

■ 15.1541, 0.5884,  
0.3700

■ 15.0154, 0.5907,  
0.3692

# Harmonies

## Analogous

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



42.2796, 0.3424, 0.3304



42.2796, 0.3468, 0.3448



42.2796, 0.3418, 0.3555

# Triad

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



42.2796, 0.3468, 0.3448



42.2796, 0.2955, 0.3423



42.2796, 0.2961, 0.3002

# Complementary

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



42.2796, 0.3468, 0.3448



44.5260, 0.2835, 0.3126

# 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.



42.2796, 0.2842, 0.3024



42.2796, 0.3468, 0.3448



42.2796, 0.2839, 0.3264

# Square

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



42.2796, 0.3468, 0.3448



42.2796, 0.3120, 0.3545



42.2796, 0.2798, 0.3118



42.2796, 0.3127, 0.3052



# Rectangle

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



42.2796, 0.3468, 0.3448



42.2796, 0.3339, 0.3590



42.2796, 0.2798, 0.3118



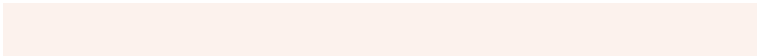
42.2796, 0.2914, 0.3001

# Sweetspot

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



42.2815, 0.3468, 0.3448



90.5432, 0.3225, 0.3338



38.9744, 0.3255, 0.2965



19.6611, 0.3236, 0.3344



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

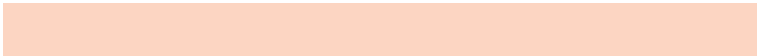


# Same Dimension

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



42.2815, 0.3468, 0.3448



72.3864, 0.3560, 0.3486



49.5443, 0.3426, 0.3677



10.5992, 0.3281, 0.3365



10.0040, 0.5883, 0.3711



0.5594, 0.5439, 0.4063

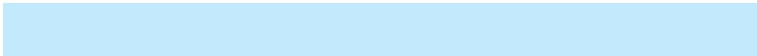


# Inverse Universe

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



44.5260, 0.2835, 0.3126



77.2104, 0.2770, 0.3085



37.5376, 0.2820, 0.2871



10.8601, 0.2984, 0.3214



13.4063, 0.1946, 0.2207



0.7000, 0.2021, 0.2477



# Previews

## White Background



This preview shows how the Yxy color 42.2796, 0.3468, 0.3448 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 42.2796, 0.3468, 0.3448 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

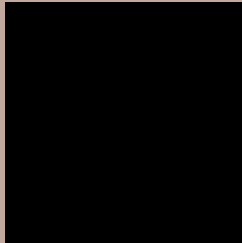
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.2796, 0.3468, 0.3448**

## Background



This preview shows how black text looks on a background with the Yxy color 42.2796, 0.3468, 0.3448.



This preview shows how white text looks on a background with the Yxy color 42.2796, 0.3468, 0.3448.

# 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

42.2796, 0.3468, 0.3448

### Protanopia

42.2141, 0.3319, 0.3480

### Deuteranopia

42.3099, 0.3499, 0.3434



## Tritanopia

42.3974, 0.3302, 0.3125

# Trichromacy



## Original Color

42.2796, 0.3468, 0.3448

## Protanomaly

42.4128, 0.3376, 0.3478

## Deuteranomaly

42.1753, 0.3489, 0.3434

## Tritanomaly

42.3135, 0.3363, 0.3239

# Monochromacy



## Original Color

42.2796, 0.3468, 0.3448

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

42.6594, 0.3251, 0.3357

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.2796, 0.3468, 0.3448 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(194, 169, 157)` looks like.

```
.text, #text, p{  
    color:rgb(194, 169, 157)  
}
```

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(194, 169, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 169, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 42.2796, 0.3468, 0.3448 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(194, 169, 157) }
```

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

```
.border{ border-color:rgb(194, 169, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 169, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 169, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 169, 157);  
box-shadow:4px 4px 4px 4px rgb(194, 169,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.2796, 0.3468, 0.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 169, 157) }
```

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

```
.background{ background-color: rgb(194,  
169, 157) }
```

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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