

# Converting Colors

$Yxy(42.3356, 0.3367, 0.3330)$

Have a look what the booklet for  
Yxy(42.3356, 0.3367, 0.3330)  
contains.

<b>Yxy(42.3356, 0.3367, 0.3330)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(42.3356, 0.3367, 0.3330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0A9A6
RGB	192, 169, 166
RGB Percent	75%, 66%, 65%
CMY	0.2471, 0.3372, 0.3490
CMYK	0.00, 0.12, 0.14, 0.25
HSL	7°, 17%, 70%
HSV	7°, 14%, 75%
XYZ	42.8060, 42.3356, 41.9923
YIQ	175.5350, 14.6710, 3.9430

# Conversions

## Conversions Part 2

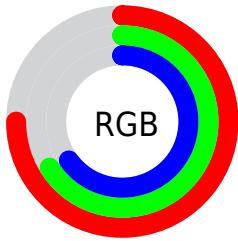
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 169, 166
Decimal	12626342
CIELab	71.10, 7.82, 4.60
CIElCh	71, 9.071, 30.442
Yxy	42.3356, 0.3367, 0.3330
Android (android.graphics.Color)	4290816422 (0xFFC0A9A6)
YUV	175.5350, -4.7008, 14.4398
Hunter-Lab	65.0658, 3.5678, 7.2813

# Details

The Yxy color  $42.3356, 0.3367, 0.3330$  is a light color, and the websafe version is hex  $CC9999$ . A complement of this color would be  $48.2968, 0.2922, 0.3250$ , and the grayscale version is  $43.1808, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $78.6715, 0.3325, 0.3321$ , and  $19.3408, 0.3438, 0.3345$  is the 20% darker color. If you saturate the color by 10%, you get  $35.7727, 0.3592, 0.3362$ , and if you desaturate by 10%, it is  $49.8275, 0.3184, 0.3300$ .

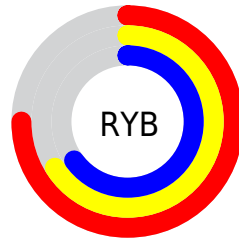
# Distribution



Red (75%)

Green (66%)

Blue (65%)



Red (75%)

Yellow (66%)

Blue (65%)

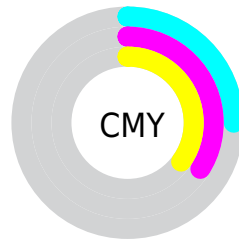


Cyan (0%)

Magenta (12%)

Yellow (14%)

Black (25%)



Cyan (25%)

Magenta (34%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3356, 0.3367, 0.3330 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 42.3356, 0.3367, 0.3330 by changing the saturation by 10% instead.





 42.3356, 0.3367,  
0.3330

 42.3356, 0.3367,  
0.3330


355.8722, 0.3245,  
0.3311

 29.3642, 0.3398,  
0.3335


 78.7073, 0.3322,  
0.3323

 19.3565, 0.3439,  
0.3340


 102.8763, 0.3305,  
0.3321

 11.9281, 0.3495,  
0.3347


131.5467, 0.3291,  
0.3318

 6.6948, 0.3574,  
0.3357

165.1028, 0.3279,  
0.3316

 3.2720, 0.3696,  
0.3370

203.9290, 0.3269,  
0.3315

 1.2753, 0.3910,  
0.3387

248.4097, 0.3260,

 0.1220, 0.7156,

0.3313

0.2844

298.9293, 0.3252,  
0.3312

0.0000, 0.0000,  
0.0000

42.3356, 0.3367,  
0.3330

42.3356, 0.3367,  
0.3330

35.7727, 0.3592,  
0.3362

49.8275, 0.3184,  
0.3300

30.0972, 0.3866,  
0.3395

58.2767, 0.3034,  
0.3272

25.2725, 0.4196,  
0.3426

67.7175, 0.2911,  
0.3247

21.2577, 0.4581,  
0.3452

78.1805, 0.2810,  
0.3225

18.0081, 0.5011,  
0.3468

89.2365, 0.2761,  
0.3277

■ 15.4749, 0.5454,  
0.3467

■ 89.9443, 0.2762,  
0.3289

■ 13.6034, 0.5860,  
0.3445

■ 12.3312, 0.6167,  
0.3402

■ 11.7870, 0.6306,  
0.3375

# Harmonies

## Analogous

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



42.3356, 0.3285, 0.3217



42.3356, 0.3367, 0.3330



42.3356, 0.3383, 0.3435

# Triad

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



42.3356, 0.3367, 0.3330



42.3356, 0.3090, 0.3465



42.3356, 0.2927, 0.3078

# Complementary

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



42.3356, 0.3367, 0.3330



48.2968, 0.2922, 0.3250

# 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.



42.3356, 0.2877, 0.3138



42.3356, 0.3367, 0.3330



42.3356, 0.2970, 0.3363

# Square

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



42.3356, 0.3367, 0.3330



42.3356, 0.3221, 0.3517



42.3356, 0.2893, 0.3242



42.3356, 0.3030, 0.3073



# Rectangle

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



42.3356, 0.3367, 0.3330



42.3356, 0.3355, 0.3487



42.3356, 0.2893, 0.3242



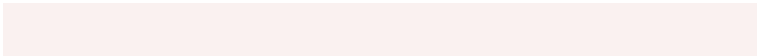
42.3356, 0.2904, 0.3092

# Sweetspot

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



42.3375, 0.3367, 0.3330



89.5381, 0.3192, 0.3302



42.1685, 0.3165, 0.2992



18.9762, 0.3205, 0.3304



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

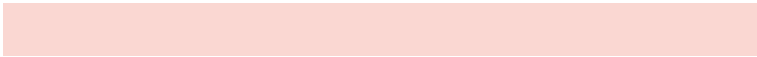


# Same Dimension

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



42.3375, 0.3367, 0.3330



73.3244, 0.3424, 0.3339



47.2462, 0.3345, 0.3491



10.2615, 0.3286, 0.3317



7.9931, 0.6292, 0.3386



0.4091, 0.5981, 0.3633

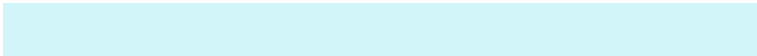


# Inverse Universe

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



48.2968, 0.2922, 0.3250



86.0536, 0.2882, 0.3241



43.1180, 0.2917, 0.3080



11.2228, 0.2984, 0.3263



21.9212, 0.2146, 0.2925



1.0047, 0.2171, 0.3014



# Previews

## White Background



This preview shows how the Yxy color 42.3356, 0.3367, 0.3330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

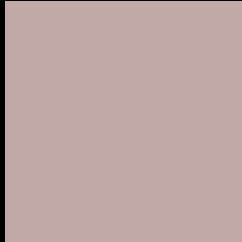
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.3356, 0.3367, 0.3330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

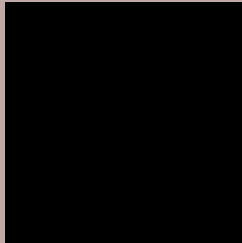
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.3356, 0.3367, 0.3330**

## Background



This preview shows how black text looks on a background with the Yxy color 42.3356, 0.3367, 0.3330.



This preview shows how white text looks on a background with the Yxy color 42.3356, 0.3367, 0.3330.

# 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

42.3356, 0.3367, 0.3330

### Protanopia

42.2980, 0.3223, 0.3358

### Deuteranopia

42.2278, 0.3388, 0.3317



## Tritanopia

42.4021, 0.3264, 0.3124

# Trichromacy



## Original Color

42.3356, 0.3367, 0.3330

## Protanomaly

42.4854, 0.3279, 0.3357

## Deuteranomaly

42.0959, 0.3378, 0.3317

## Tritanomaly

42.4379, 0.3298, 0.3200

# Monochromacy



## Original Color

42.3356, 0.3367, 0.3330

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

42.8108, 0.3216, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.3356, 0.3367, 0.3330 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(192, 169, 166)` looks like.

```
.text, #text, p{  
    color:rgb(192, 169, 166)  
}
```

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(192, 169, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 169, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 42.3356, 0.3367, 0.3330 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(192, 169, 166) }
```

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

```
.border{ border-color:rgb(192, 169, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 169, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 169, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 169, 166);  
box-shadow:4px 4px 4px 4px rgb(192, 169,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.3356, 0.3367, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 169, 166) }
```

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

```
.background{ background-color: rgb(192,  
169, 166) }
```

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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