

# Converting Colors

$Yxy(47.0348, 0.3358, 0.3422)$

Have a look what the booklet for  
Yxy(47.0348, 0.3358, 0.3422)  
contains.

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# Color

**Yxy(46.8405, 0.3360, 0.3418)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4B3A9
RGB	196, 179, 169
RGB Percent	77%, 70%, 66%
CMY	0.2314, 0.2980, 0.3372
CMYK	0.00, 0.09, 0.14, 0.23
HSL	22°, 19%, 72%
HSV	22°, 14%, 77%
XYZ	46.0457, 46.8405, 44.1545
YIQ	182.9430, 13.3420, 0.4940

# Conversions

## Conversions Part 2

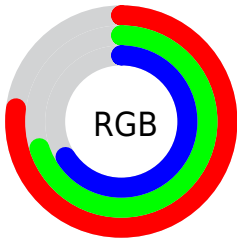
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 185, 169
Decimal	12891049
CIE Lab	74.09, 4.38, 7.29
CIE LCh	74, 8.505, 58.966
Yxy	46.8405, 0.3360, 0.3418
Android (android.graphics.Color)	4291081129 (0xFFC4B3A9)
YUV	182.9430, -6.8739, 11.4510
Hunter-Lab	68.4401, 0.3224, 9.6568

# Details

The Yxy color **46.8405, 0.3360, 0.3418** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.5377, 0.2916, 0.3159**, and the grayscale version is **47.3548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6811, 0.3320, 0.3400**, and **21.9568, 0.3426, 0.3447** is the 20% darker color. If you saturate the color by 10%, you get **41.4339, 0.3563, 0.3517**, and if you desaturate by 10%, it is **52.8042, 0.3186, 0.3324**.

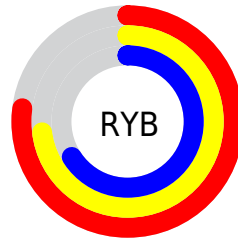
# Distribution



Red (77%)

Green (70%)

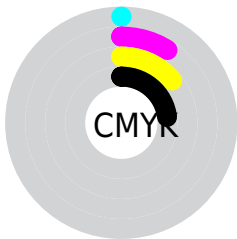
Blue (66%)



Red (77%)

Yellow (73%)

Blue (66%)

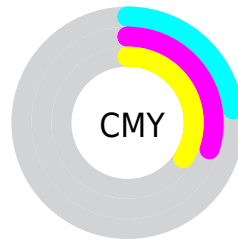


Cyan (0%)

Magenta (9%)

Yellow (14%)

Black (23%)



Cyan (23%)

Magenta (30%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8405, 0.3360, 0.3418 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 46.8405, 0.3360, 0.3418 by changing the saturation by 10% instead.





 46.8405, 0.3360,  
0.3418

 46.8405, 0.3360,  
0.3418


374.1775, 0.3243,  
0.3355

 32.9096, 0.3389,  
0.3433


 85.4755, 0.3317,  
0.3395

 22.0572, 0.3427,  
0.3453


110.9484, 0.3301,  
0.3387

 13.8989, 0.3477,  
0.3479

141.0373, 0.3288,  
0.3379

 8.0504, 0.3548,  
0.3514

176.1268, 0.3276,  
0.3373

 4.1272, 0.3654,  
0.3566

216.6011, 0.3266,  
0.3368

 1.7450, 0.3831,  
0.3648

262.8448, 0.3258,

 0.4525, 0.5428,

0.3363

0.4572

315.2421, 0.3250,  
0.3359

0.0000, 0.0000,  
0.0000

46.8405, 0.3360,  
0.3418

46.8405, 0.3360,  
0.3418

41.4339, 0.3563,  
0.3517

52.8042, 0.3186,  
0.3324

36.5617, 0.3800,  
0.3619

59.3344, 0.3037,  
0.3236

32.2087, 0.4070,  
0.3718

66.4483, 0.2911,  
0.3155

28.3567, 0.4372,  
0.3807

74.1603, 0.2803,  
0.3081

24.9860, 0.4699,  
0.3875

81.6868, 0.2771,  
0.3137

■ 22.0759, 0.5035,  
0.3912

■ 89.2284, 0.2782,  
0.3268

■ 19.6035, 0.5357,  
0.3903

■ 90.4749, 0.2784,  
0.3289

■ 17.5433, 0.5635,  
0.3843

■ 16.4489, 0.5785,  
0.3788

# Harmonies

## Analogous

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



46.8405, 0.3342, 0.3322



46.8405, 0.3360, 0.3418



46.8405, 0.3314, 0.3483

# Triad

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



46.8405, 0.3360, 0.3418



46.8405, 0.2990, 0.3361



46.8405, 0.3034, 0.3092

# Complementary

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



46.8405, 0.3360, 0.3418



47.5377, 0.2916, 0.3159

# 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.



46.8405, 0.2942, 0.3099



46.8405, 0.3360, 0.3418



46.8405, 0.2917, 0.3252

# Square

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



46.8405, 0.3360, 0.3418



46.8405, 0.3099, 0.3452



46.8405, 0.2900, 0.3157



46.8405, 0.3152, 0.3136



# Rectangle

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



46.8405, 0.3360, 0.3418



46.8405, 0.3254, 0.3498



46.8405, 0.2900, 0.3157



46.8405, 0.2999, 0.3089

# Sweetspot

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



46.8426, 0.3360, 0.3418



95.3316, 0.3191, 0.3327



43.6638, 0.3227, 0.3075



20.2211, 0.3203, 0.3334



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

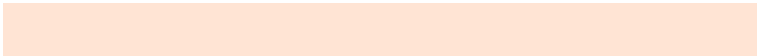


# Same Dimension

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



46.8426, 0.3360, 0.3418



81.3232, 0.3428, 0.3452



52.4730, 0.3337, 0.3584



10.6755, 0.3280, 0.3376



10.7220, 0.5760, 0.3808



0.5956, 0.5337, 0.4145



# Inverse Universe

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



47.5377, 0.2916, 0.3159



82.8630, 0.2862, 0.3122



42.1582, 0.2911, 0.2979



10.7808, 0.2984, 0.3203



11.8942, 0.1901, 0.2043



0.6422, 0.1987, 0.2352



# Previews

## White Background



This preview shows how the Yxy color 46.8405, 0.3360, 0.3418 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

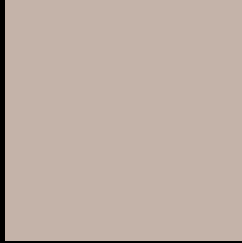
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.8405, 0.3360, 0.3418 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

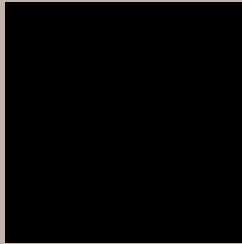
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.8405, 0.3360, 0.3418**

## Background



This preview shows how black text looks on a background with the Yxy color 46.8405, 0.3360, 0.3418.



This preview shows how white text looks on a background with the Yxy color 46.8405, 0.3360, 0.3418.

# 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

46.8405, 0.3360, 0.3418

### Protanopia

47.0495, 0.3276, 0.3446

### Deuteranopia

46.7903, 0.3430, 0.3366



## Tritanopia

46.9105, 0.3214, 0.3117

# Trichromacy



## Original Color

46.8405, 0.3360, 0.3418

## Protanomaly

47.0264, 0.3304, 0.3432

## Deuteranomaly

46.7641, 0.3401, 0.3379

## Tritanomaly

46.8274, 0.3271, 0.3228

# Monochromacy



## Original Color

46.8405, 0.3360, 0.3418

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.3616, 0.3211, 0.3342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8405, 0.3360, 0.3418 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, 179, 169)` looks like.

```
.text, #text, p{  
    color:rgb(196, 179, 169)  
}
```

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, 179, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 179, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8405, 0.3360, 0.3418 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, 179, 169) }
```

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

```
.border{ border-color:rgb(196, 179, 169) }
```

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

Here you see how a box with a 4 pixel rgb(196, 179, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 179, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 179, 169);  
box-shadow:4px 4px 4px 4px rgb(196, 179,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8405, 0.3360, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 179, 169) }
```

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

```
.background{ background-color: rgb(196,  
179, 169) }
```

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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