

# Converting Colors

$Yxy(48.0388, 0.3289, 0.3477)$

Have a look what the booklet for  
Yxy(48.0388, 0.3289, 0.3477)  
contains.

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# Color

**Yxy(48.0021, 0.3282, 0.3471)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDB8AA
RGB	189, 184, 170
RGB Percent	74%, 72%, 67%
CMY	0.2587, 0.2785, 0.3333
CMYK	0.00, 0.03, 0.10, 0.26
HSL	44°, 13%, 70%
HSV	44°, 10%, 74%
XYZ	45.3883, 48.0021, 44.9043
YIQ	183.8990, 7.4740, -3.2940

# Conversions

## Conversions Part 2

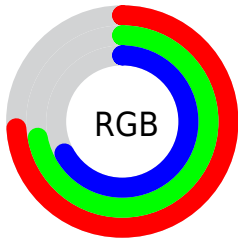
Format	Color
<b>RYB</b>	177, 189, 170
Decimal	12433578
CIELab	74.83, -0.68, 7.73
CIELCh	75, 7.757, 95.006
Yxy	48.0021, 0.3282, 0.3471
Android (android.graphics.Color)	4290623658 (0xFFBDB8AA)
YUV	183.8990, -6.8522, 4.4736
Hunter-Lab	69.2835, -4.3091, 10.0712

# Details

The Yxy color  $48.0021, 0.3282, 0.3471$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $42.8975, 0.2973, 0.3102$ , and the grayscale version is  $47.9128, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.1689, 0.3253, 0.3441$ , and  $22.7748, 0.3328, 0.3519$  is the 20% darker color. If you saturate the color by 10%, you get  $45.2972, 0.3449, 0.3658$ , and if you desaturate by 10%, it is  $50.8876, 0.3128, 0.3291$ .

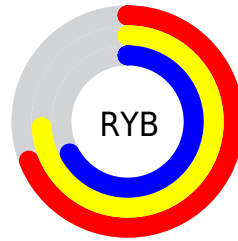
# Distribution



Red (74%)

Green (72%)

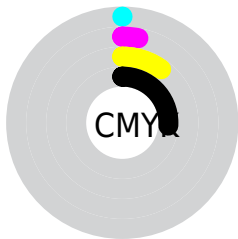
Blue (67%)



Red (69%)

Yellow (74%)

Blue (67%)

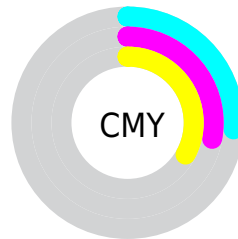


Cyan (0%)

Magenta (3%)

Yellow (10%)

Black (26%)



Cyan (26%)

Magenta (28%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0021, 0.3282, 0.3471 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 48.0021, 0.3282, 0.3471 by changing the saturation by 10% instead.



■ 48.0021, 0.3282,  
0.3471

■ 48.0021, 0.3282,  
0.3471

378.8005, 0.3205,  
0.3381

■ 33.8285, 0.3301,  
0.3493

■ 87.2075, 0.3254,  
0.3438

■ 22.7619, 0.3326,  
0.3522

113.0082, 0.3244,  
0.3426

■ 14.4178, 0.3358,  
0.3561

143.4534, 0.3235,  
0.3416

■ 8.4118, 0.3403,  
0.3614

178.9274, 0.3227,  
0.3407

■ 4.3596, 0.3470,  
0.3693

219.8148, 0.3220,  
0.3399

■ 1.8767, 0.3579,  
0.3823

266.4998, 0.3215,

■ 0.5343, 0.4604,

0.3392

0.5007

319.3669, 0.3210,  
0.3386

0.0000, 0.0000,  
0.0000

48.0021, 0.3282,  
0.3471

48.0021, 0.3282,  
0.3471

45.2972, 0.3449,  
0.3658

50.8876, 0.3128,  
0.3291

42.7615, 0.3628,  
0.3849

53.9522, 0.2988,  
0.3121

40.3917, 0.3815,  
0.4037

57.2028, 0.2862,  
0.2963

38.1819, 0.4006,  
0.4213

60.6436, 0.2748,  
0.2817

36.1258, 0.4193,  
0.4369

63.6505, 0.2699,  
0.2778

■ 34.2164, 0.4369,  
0.4493

■ 66.1447, 0.2705,  
0.2835

■ 32.4459, 0.4525,  
0.4576

■ 68.7168, 0.2710,  
0.2892

■ 30.8052, 0.4653,  
0.4612

■ 71.3674, 0.2715,  
0.2949

■ 29.2866, 0.4755,  
0.4607

■ 74.0972, 0.2720,  
0.3005

# Harmonies

## Analogous

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



48.0021, 0.3334, 0.3421



48.0021, 0.3282, 0.3471



48.0021, 0.3189, 0.3472

# Triad

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



48.0021, 0.3282, 0.3471



48.0021, 0.2929, 0.3237



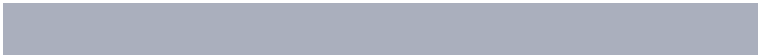
48.0021, 0.3172, 0.3163

# Complementary

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



48.0021, 0.3282, 0.3471



42.8975, 0.2973, 0.3102

# 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.



48.0021, 0.3063, 0.3115



48.0021, 0.3282, 0.3471



48.0021, 0.2925, 0.3156

# Square

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



48.0021, 0.3282, 0.3471



48.0021, 0.2986, 0.3335



48.0021, 0.2973, 0.3112



48.0021, 0.3270, 0.3244



# Rectangle

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



48.0021, 0.3282, 0.3471



48.0021, 0.3117, 0.3444



48.0021, 0.2973, 0.3112



48.0021, 0.3135, 0.3143

# Sweetspot

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



48.0042, 0.3282, 0.3471



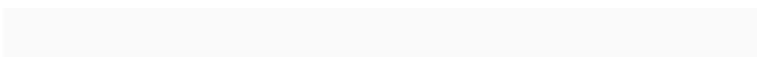
89.5327, 0.3173, 0.3344



42.6718, 0.3258, 0.3224



19.1631, 0.3185, 0.3358



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



48.0042, 0.3282, 0.3471



84.8870, 0.3316, 0.3510



49.5749, 0.3237, 0.3537



10.6815, 0.3271, 0.3458



19.8279, 0.4746, 0.4614



0.8783, 0.4586, 0.4741



# Inverse Universe

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



42.8975, 0.2973, 0.3102



73.9739, 0.2938, 0.3060



41.4759, 0.3010, 0.3036



9.6251, 0.2984, 0.3116



4.1173, 0.1594, 0.0937



0.2727, 0.1731, 0.1430



# Previews

## White Background



This preview shows how the Yxy color 48.0021, 0.3282, 0.3471 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

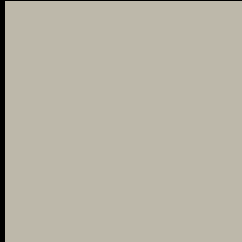
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.0021, 0.3282, 0.3471 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

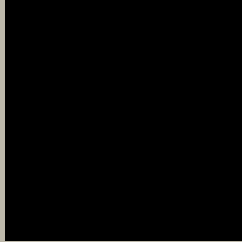
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

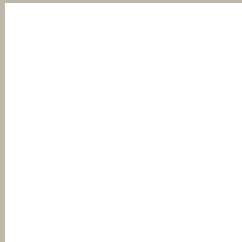
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.0021, 0.3282, 0.3471**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.0021, 0.3282, 0.3471.



This preview shows how white text looks on a background with the Yxy color 48.0021, 0.3282, 0.3471.

# 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

48.0021, 0.3282, 0.3471

### Protanopia

47.8456, 0.3301, 0.3458

### Deuteranopia

48.0465, 0.3444, 0.3377



## Tritanopia

47.9201, 0.3119, 0.3103

# Trichromacy



## Original Color

48.0021, 0.3282, 0.3471

## Protanomaly

47.7164, 0.3292, 0.3458

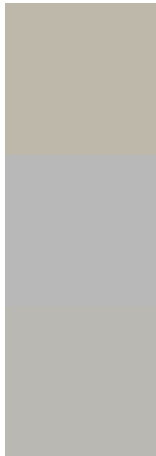
## Deuteranomaly

47.8622, 0.3377, 0.3404

## Tritanomaly

47.7994, 0.3182, 0.3227

# Monochromacy



## Original Color

48.0021, 0.3282, 0.3471

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

47.9748, 0.3183, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0021, 0.3282, 0.3471 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(189, 184, 170)` looks like.

```
.text, #text, p{  
    color:rgb(189, 184, 170)  
}
```

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(189, 184, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 184, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0021, 0.3282, 0.3471 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(189, 184, 170) }
```

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

```
.border{ border-color:rgb(189, 184, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 184, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 184, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 184, 170);  
box-shadow:4px 4px 4px 4px rgb(189, 184,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0021, 0.3282, 0.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 184, 170) }
```

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

```
.background{ background-color: rgb(189,  
184, 170) }
```

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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