

# Converting Colors

$Y_{xy}(47.0270, 0.3373, 0.3618)$

Have a look what the booklet for  
Yxy(47.0270, 0.3373, 0.3618)  
contains.

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# Color

**Yxy(47.0270, 0.3373, 0.3618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCB79E
RGB	188, 183, 158
RGB Percent	74%, 72%, 62%
CMY	0.2628, 0.2823, 0.3804
CMYK	0.00, 0.03, 0.16, 0.26
HSL	50°, 18%, 68%
HSV	50°, 16%, 74%
XYZ	43.8425, 47.0270, 39.1112
YIQ	181.6450, 11.0050, -6.7150

# Conversions

## Conversions Part 2

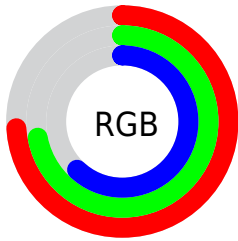
Format	Color
<a href="#">RYB</a>	<a href="#">164, 188, 158</a>
Decimal	<a href="#">12367774</a>
CIELab	<a href="#">74.21, -2.50, 13.36</a>
CIELCh	<a href="#">74, 13.590, 100.583</a>
Yxy	<a href="#">47.0270, 0.3373, 0.3618</a>
Android (android.graphics.Color)	<a href="#">4290557854 (0xFFBCB79E)</a>
YUV	<a href="#">181.6450, -11.6570, 5.5733</a>
Hunter-Lab	<a href="#">68.5762, -5.8890, 14.1884</a>

# Details

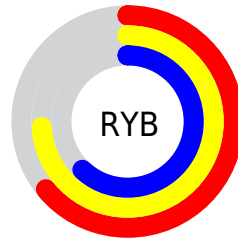
The Yxy color  $47.0270, 0.3373, 0.3618$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $37.0871, 0.2875, 0.2939$ , and the grayscale version is  $46.6365, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $85.7702, 0.3324, 0.3555$ , and  $22.1777, 0.3443, 0.3702$  is the 20% darker color. If you saturate the color by 10%, you get  $45.1554, 0.3538, 0.3831$ , and if you desaturate by 10%, it is  $49.0304, 0.3216, 0.3410$ .

# Distribution



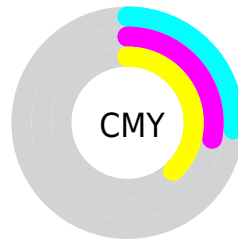
- Red (74%)
- Green (72%)
- Blue (62%)



- Red (64%)
- Yellow (74%)
- Blue (62%)



- Cyan (0%)
- Magenta (3%)
- Yellow (16%)
- Black (26%)




- Cyan (26%)
- Magenta (28%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0270, 0.3373, 0.3618 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 47.0270, 0.3373, 0.3618 by changing the saturation by 10% instead.





 47.0270, 0.3373,  
0.3618


 47.0270, 0.3373,  
0.3618


374.9223, 0.3251,  
0.3453

 33.0570, 0.3403,  
0.3659


 85.7539, 0.3329,  
0.3558

 22.1701, 0.3442,  
0.3712


 111.2796, 0.3312,  
0.3536

 13.9820, 0.3493,  
0.3783


141.4260, 0.3298,  
0.3517

 8.1081, 0.3563,  
0.3881

176.5775, 0.3286,  
0.3500

 4.1642, 0.3665,  
0.4028

217.1185, 0.3275,  
0.3486

 1.7658, 0.3836,  
0.4278

263.4334, 0.3266,

 0.4657, 0.4504,

0.3474

0.5496

315.9065, 0.3258,  
0.3463

0.0000, 0.0000,  
0.0000

47.0270, 0.3373,  
0.3618

47.0270, 0.3373,  
0.3618

45.1554, 0.3538,  
0.3831

49.0304, 0.3216,  
0.3410

43.4048, 0.3708,  
0.4041

51.1638, 0.3069,  
0.3211

41.7721, 0.3877,  
0.4242

53.4333, 0.2934,  
0.3023

40.2520, 0.4040,  
0.4424

55.8429, 0.2811,  
0.2848

38.8384, 0.4189,  
0.4577

58.3964, 0.2699,  
0.2687

■ 37.5246, 0.4318,  
0.4691

■ 60.0381, 0.2685,  
0.2693

■ 36.3028, 0.4420,  
0.4762

■ 61.5173, 0.2688,  
0.2729

■ 35.1633, 0.4495,  
0.4788

■ 63.0263, 0.2692,  
0.2765

■ 34.7178, 0.4521,  
0.4792

■ 64.5653, 0.2695,  
0.2801

# Harmonies

## Analogous

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



47.0270, 0.3483, 0.3540



47.0270, 0.3373, 0.3618



47.0270, 0.3199, 0.3606

# Triad

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



47.0270, 0.3373, 0.3618



47.0270, 0.2773, 0.3163



47.0270, 0.3239, 0.3092

# Complementary

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



47.0270, 0.3373, 0.3618



37.0871, 0.2875, 0.2939

# 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.



47.0270, 0.3047, 0.2997



47.0270, 0.3373, 0.3618



47.0270, 0.2782, 0.3032

# Square

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



47.0270, 0.3373, 0.3618



47.0270, 0.2855, 0.3336



47.0270, 0.2881, 0.2973



47.0270, 0.3405, 0.3237



# Rectangle

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



47.0270, 0.3373, 0.3618



47.0270, 0.3071, 0.3545



47.0270, 0.2881, 0.2973



47.0270, 0.3175, 0.3053

# Sweetspot

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



47.0291, 0.3373, 0.3618



89.1954, 0.3203, 0.3392



37.7868, 0.3376, 0.3224



19.1243, 0.3213, 0.3406



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.



47.0291, 0.3373, 0.3618



84.0749, 0.3428, 0.3689



47.8967, 0.3276, 0.3691



10.8432, 0.3268, 0.3480



23.7326, 0.4516, 0.4796



1.0025, 0.4427, 0.4867



# Inverse Universe

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



37.0871, 0.2875, 0.2939



62.7775, 0.2816, 0.2857



36.4068, 0.2961, 0.2878



9.4748, 0.2984, 0.3093



3.2234, 0.1544, 0.0759



0.2073, 0.1654, 0.1153



# Previews

## White Background



This preview shows how the Yxy color 47.0270, 0.3373, 0.3618 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

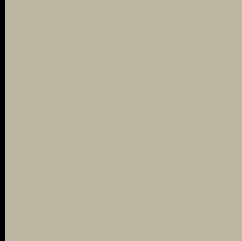
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.0270, 0.3373, 0.3618 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

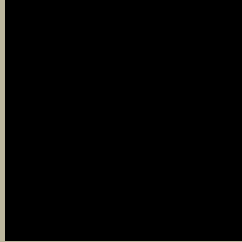
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

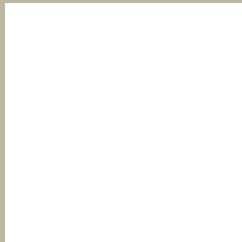
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.0270, 0.3373, 0.3618**

## Background



This preview shows how black text looks on a background with the Yxy color 47.0270, 0.3373, 0.3618.



This preview shows how white text looks on a background with the Yxy color 47.0270, 0.3373, 0.3618.

# 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

47.0270, 0.3373, 0.3618

### Protanopia

46.9666, 0.3410, 0.3616

### Deuteranopia

46.9638, 0.3564, 0.3502



## Tritanopia

46.9840, 0.3144, 0.3115

# Trichromacy



## Original Color

47.0270, 0.3373, 0.3618

## Protanomaly

46.8374, 0.3401, 0.3617

## Deuteranomaly

47.1609, 0.3492, 0.3544

## Tritanomaly

47.0142, 0.3222, 0.3290

# Monochromacy



## Original Color

47.0270, 0.3373, 0.3618

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.6634, 0.3216, 0.3408

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.0270, 0.3373, 0.3618 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(188, 183, 158)` looks like.

```
.text, #text, p{  
    color:rgb(188, 183, 158)  
}
```

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(188, 183, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 183, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 47.0270, 0.3373, 0.3618 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(188, 183, 158) }
```

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

```
.border{ border-color:rgb(188, 183, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 183, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 183, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 183, 158);  
box-shadow:4px 4px 4px 4px rgb(188, 183,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.0270, 0.3373, 0.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 183, 158) }
```

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

```
.background{ background-color: rgb(188,  
183, 158) }
```

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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