

# Converting Colors

$Yxy(47.9569, 0.3309, 0.3675)$

Have a look what the booklet for  
Yxy(47.9569, 0.3309, 0.3675)  
contains.

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# Color

**Yxy(47.9544, 0.3313, 0.3674)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B6BB9E
RGB	182, 187, 158
RGB Percent	71%, 73%, 62%
CMY	0.2861, 0.2667, 0.3804
CMYK	0.03, 0.00, 0.16, 0.27
HSL	70°, 18%, 68%
HSV	70°, 16%, 73%
XYZ	43.2425, 47.9544, 39.3268
YIQ	182.1990, 6.3290, -10.0790

# Conversions

## Conversions Part 2

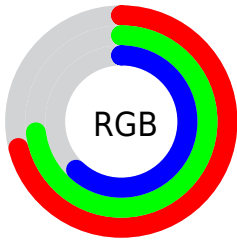
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 187, 163
Decimal	11975582
CIE <sub>Lab</sub>	74.80, -6.81, 14.11
CIE <sub>LCh</sub>	75, 15.669, 115.744
Yxy	47.9544, 0.3313, 0.3674
Android (android.graphics.Color)	4290165662 (0xFFB6BB9E)
YUV	182.1990, -11.9301, -0.1745
Hunter-Lab	69.2491, -9.7219, 14.8034

# Details

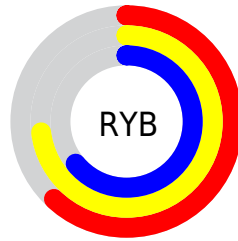
The Yxy color  $47.9544, 0.3313, 0.3674$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $35.8239, 0.2924, 0.2886$ , and the grayscale version is  $46.9619, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.0824, 0.3278, 0.3599$ , and  $22.7789, 0.3358, 0.3781$  is the 20% darker color. If you saturate the color by 10%, you get  $46.9771, 0.3434, 0.3933$ , and if you desaturate by 10%, it is  $49.0428, 0.3192, 0.3423$ .

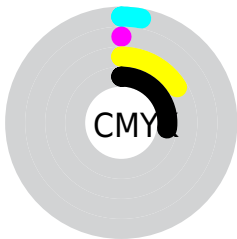
# Distribution



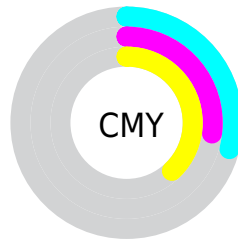
- Red (71%)
- Green (73%)
- Blue (62%)



- Red (62%)
- Yellow (73%)
- Blue (64%)



- Cyan (3%)
- Magenta (0%)
- Yellow (16%)
- Black (27%)




- Cyan (29%)
- Magenta (27%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9544, 0.3313, 0.3674 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 47.9544, 0.3313, 0.3674 by changing the saturation by 10% instead.





 47.9544, 0.3313,  
0.3674

 47.9544, 0.3313,  
0.3674


378.6114, 0.3222,  
0.3480

 33.7908, 0.3335,  
0.3723


 87.1365, 0.3280,  
0.3603

 22.7329, 0.3363,  
0.3786


 112.9238, 0.3268,  
0.3577

 14.3964, 0.3399,  
0.3870

143.3544, 0.3258,  
0.3554

 8.3969, 0.3448,  
0.3988

178.8127, 0.3248,  
0.3535

 4.3499, 0.3517,  
0.4166

219.6832, 0.3241,  
0.3519

 1.8712, 0.3628,  
0.4469

266.3502, 0.3234,

 0.5310, 0.3893,

0.3504

0.6107

319.1981, 0.3227,  
0.3492

0.0000, 0.0000,  
0.0000

47.9544, 0.3313,  
0.3674

47.9544, 0.3313,  
0.3674

46.9771, 0.3434,  
0.3933

49.0428, 0.3192,  
0.3423

46.1000, 0.3550,  
0.4193

50.2400, 0.3075,  
0.3185

45.3204, 0.3658,  
0.4446

51.5522, 0.2963,  
0.2962

44.6331, 0.3751,  
0.4681

52.9831, 0.2857,  
0.2757

44.0324, 0.3824,  
0.4887

54.5363, 0.2759,  
0.2570

■ 43.5118, 0.3875,  
0.5056

■ 55.1971, 0.2760,  
0.2541

■ 43.0637, 0.3899,  
0.5181

■ 55.6438, 0.2782,  
0.2545

■ 42.6790, 0.3899,  
0.5261

■ 56.0997, 0.2805,  
0.2550

■ 42.5177, 0.3895,  
0.5289

■ 56.5648, 0.2828,  
0.2555

# Harmonies

## Analogous

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



47.9544, 0.3483, 0.3632



47.9544, 0.3313, 0.3674



47.9544, 0.3097, 0.3605

# Triad

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



47.9544, 0.3313, 0.3674



47.9544, 0.2715, 0.3058



47.9544, 0.3359, 0.3142

# Complementary

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



47.9544, 0.3313, 0.3674



35.8239, 0.2924, 0.2886

# 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.



47.9544, 0.3146, 0.3002



47.9544, 0.3313, 0.3674



47.9544, 0.2778, 0.2949

# Square

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



47.9544, 0.3313, 0.3674



47.9544, 0.2756, 0.3238



47.9544, 0.2934, 0.2931



47.9544, 0.3512, 0.3322



# Rectangle

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



47.9544, 0.3313, 0.3674



47.9544, 0.2957, 0.3503



47.9544, 0.2934, 0.2931



47.9544, 0.3292, 0.3089

# Sweetspot

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



47.9565, 0.3313, 0.3674



87.9320, 0.3187, 0.3413



39.1688, 0.3404, 0.3356



19.3323, 0.3196, 0.3430



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.



47.9565, 0.3313, 0.3674



85.2103, 0.3359, 0.3772



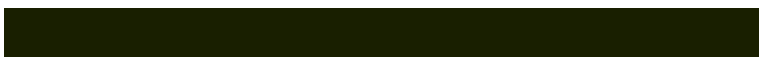
46.2935, 0.3189, 0.3689



11.0361, 0.3239, 0.3518



29.3261, 0.3899, 0.5286



1.1708, 0.3974, 0.5227



# Inverse Universe

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



35.8239, 0.2924, 0.2886



58.8527, 0.2867, 0.2776



37.4289, 0.3055, 0.2902



9.3014, 0.3010, 0.3055



2.7042, 0.1582, 0.0645



0.1305, 0.1791, 0.0761



# Previews

## White Background



This preview shows how the Yxy color 47.9544, 0.3313, 0.3674 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

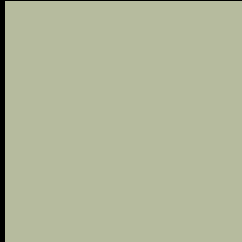
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.9544, 0.3313, 0.3674 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

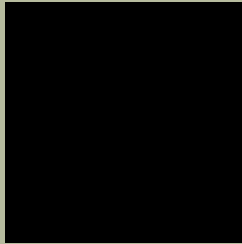
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

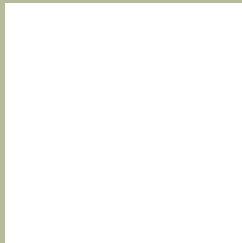
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.9544, 0.3313, 0.3674**

## Background



This preview shows how black text looks on a background with the Yxy color 47.9544, 0.3313, 0.3674.



This preview shows how white text looks on a background with the Yxy color 47.9544, 0.3313, 0.3674.

# 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

47.9544, 0.3313, 0.3674

### Protanopia

47.7366, 0.3444, 0.3638

### Deuteranopia

47.6840, 0.3571, 0.3500



## Tritanopia

48.0062, 0.3060, 0.3113

# Trichromacy



## Original Color

47.9544, 0.3313, 0.3674

## Protanomaly

47.6625, 0.3397, 0.3642

## Deuteranomaly

47.8303, 0.3477, 0.3569

## Tritanomaly

47.9727, 0.3151, 0.3316

# Monochromacy



## Original Color

47.9544, 0.3313, 0.3674

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

47.2432, 0.3197, 0.3435

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.9544, 0.3313, 0.3674 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(182, 187, 158)` looks like.

```
.text, #text, p{  
    color:rgb(182, 187, 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(182, 187, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 187, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 47.9544, 0.3313, 0.3674 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(182, 187, 158) }
```

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

```
.border{ border-color:rgb(182, 187, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 187, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 187, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 187, 158);  
box-shadow:4px 4px 4px 4px rgb(182, 187,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.9544, 0.3313, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 187, 158) }
```

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

```
.background{ background-color: rgb(182,  
187, 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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