

# Converting Colors

$Yxy(47.9844, 0.3233, 0.3535)$

Have a look what the booklet for  
Yxy(47.9844, 0.3233, 0.3535)  
contains.

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# Color

**Yxy(47.8900, 0.3234, 0.3527)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6BAA8
RGB	182, 186, 168
RGB Percent	71%, 73%, 66%
CMY	0.2864, 0.2705, 0.3411
CMYK	0.02, 0.00, 0.10, 0.27
HSL	74°, 12%, 69%
HSV	74°, 10%, 73%
XYZ	43.9116, 47.8900, 43.9795
YIQ	182.7520, 3.3940, -6.4460

# Conversions

## Conversions Part 2

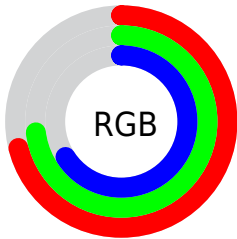
Format	Color
<a href="#">RYB</a>	<a href="#">168, 186, 172</a>
Decimal	<a href="#">11975336</a>
CIELab	<a href="#">74.76, -4.66, 8.63</a>
CIELCh	<a href="#">75, 9.810, 118.341</a>
Yxy	<a href="#">47.8900, 0.3234, 0.3527</a>
Android (android.graphics.Color)	<a href="#">4290165416 (0xFFB6BAA8)</a>
YUV	<a href="#">182.7520, -7.2727, -0.6595</a>
Hunter-Lab	<a href="#">69.2026, -7.8397, 10.7620</a>

# Details

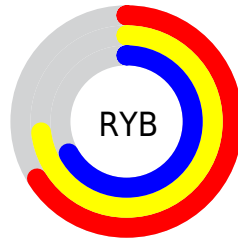
The Yxy color  $47.8900, 0.3234, 0.3527$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $40.3331, 0.3014, 0.3047$ , and the grayscale version is  $47.2484, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.0091, 0.3217, 0.3484$ , and  $22.7031, 0.3263, 0.3597$  is the 20% darker color. If you saturate the color by 10%, you get  $46.7451, 0.3346, 0.3784$ , and if you desaturate by 10%, it is  $49.1535, 0.3124, 0.3282$ .

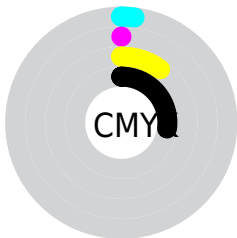
# Distribution



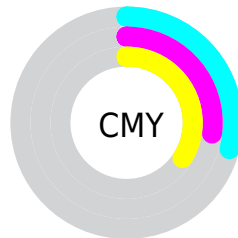
- Red (71%)
- Green (73%)
- Blue (66%)



- Red (66%)
- Yellow (73%)
- Blue (67%)



- Cyan (2%)
- Magenta (0%)
- Yellow (10%)
- Black (27%)




- Cyan (29%)
- Magenta (27%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8900, 0.3234, 0.3527 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 47.8900, 0.3234, 0.3527 by changing the saturation by 10% instead.





 47.8900, 0.3234,  
0.3527


 47.8900, 0.3234,  
0.3527


378.3559, 0.3181,  
0.3408

 33.7398, 0.3247,  
0.3557


 87.0406, 0.3215,  
0.3484

 22.6938, 0.3263,  
0.3596


 112.8098, 0.3208,  
0.3467

 14.3676, 0.3285,  
0.3647


143.2207, 0.3202,  
0.3454

 8.3767, 0.3315,  
0.3720

178.6579, 0.3197,  
0.3442

 4.3370, 0.3358,  
0.3829

219.5055, 0.3192,  
0.3432

 1.8638, 0.3425,  
0.4012

266.1482, 0.3188,

 0.5265, 0.4235,

0.3423

0.5765

318.9702, 0.3185,  
0.3415

0.0000, 0.0000,  
0.0000

47.8900, 0.3234,  
0.3527

47.8900, 0.3234,  
0.3527

46.7451, 0.3346,  
0.3784

49.1535, 0.3124,  
0.3282

45.7082, 0.3455,  
0.4049

50.5335, 0.3017,  
0.3054

44.7769, 0.3559,  
0.4314

52.0358, 0.2916,  
0.2843

43.9461, 0.3651,  
0.4568

53.6642, 0.2822,  
0.2650

43.2103, 0.3727,  
0.4803

55.0284, 0.2771,  
0.2532

■ 42.5637, 0.3781,  
0.5006

■ 55.6243, 0.2801,  
0.2539

■ 41.9992, 0.3812,  
0.5168

■ 56.2363, 0.2831,  
0.2545

■ 41.5089, 0.3816,  
0.5285

■ 56.8645, 0.2862,  
0.2552

■ 41.0773, 0.3800,  
0.5363

■ 57.5089, 0.2892,  
0.2558

# Harmonies

## Analogous

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



47.8900, 0.3343, 0.3510



47.8900, 0.3234, 0.3527



47.8900, 0.3098, 0.3477

# Triad

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



47.8900, 0.3234, 0.3527



47.8900, 0.2867, 0.3139



47.8900, 0.3283, 0.3207

# Complementary

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



47.8900, 0.3234, 0.3527



40.3331, 0.3014, 0.3047

# 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.



47.8900, 0.3152, 0.3113



47.8900, 0.3234, 0.3527



47.8900, 0.2914, 0.3072

# Square

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



47.8900, 0.3234, 0.3527



47.8900, 0.2888, 0.3249



47.8900, 0.3017, 0.3064



47.8900, 0.3372, 0.3323



# Rectangle

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



47.8900, 0.3234, 0.3527



47.8900, 0.3011, 0.3413



47.8900, 0.3017, 0.3064



47.8900, 0.3242, 0.3172

# Sweetspot

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



47.8921, 0.3234, 0.3527



88.2831, 0.3161, 0.3363



42.7400, 0.3289, 0.3342



19.4002, 0.3169, 0.3383



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.



47.8921, 0.3234, 0.3527



86.2483, 0.3262, 0.3591



46.8489, 0.3159, 0.3532



10.3986, 0.3230, 0.3518



27.6558, 0.3805, 0.5361



1.0004, 0.3911, 0.5277



# Inverse Universe

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



40.3331, 0.3014, 0.3047



69.2782, 0.2982, 0.2979



41.3683, 0.3092, 0.3053



8.8145, 0.3018, 0.3056



2.7431, 0.1630, 0.0672



0.1249, 0.1897, 0.0819



# Previews

## White Background



This preview shows how the Yxy color 47.8900, 0.3234, 0.3527 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

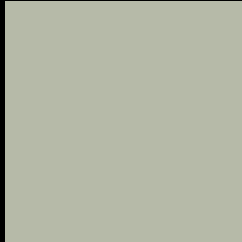
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.8900, 0.3234, 0.3527 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

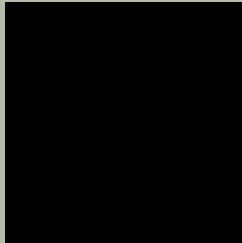
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

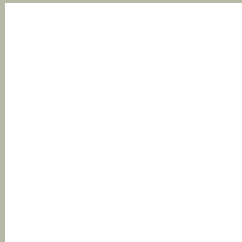
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.8900, 0.3234, 0.3527**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.8900, 0.3234, 0.3527.



This preview shows how white text looks on a background with the Yxy color 47.8900, 0.3234, 0.3527.

# 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

47.8900, 0.3234, 0.3527

### Protanopia

47.7334, 0.3325, 0.3497

### Deuteranopia

47.6120, 0.3455, 0.3377



## Tritanopia

47.8805, 0.3052, 0.3113

# Trichromacy



## Original Color

47.8900, 0.3234, 0.3527

## Protanomaly

47.7624, 0.3297, 0.3511

## Deuteranomaly

47.5129, 0.3376, 0.3430

## Tritanomaly

47.7264, 0.3121, 0.3252

# Monochromacy



## Original Color

47.8900, 0.3234, 0.3527

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.5626, 0.3166, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.8900, 0.3234, 0.3527 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, 186, 168)` looks like.

```
.text, #text, p{  
    color:rgb(182, 186, 168)  
}
```

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, 186, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 186, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 47.8900, 0.3234, 0.3527 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, 186, 168) }
```

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

```
.border{ border-color:rgb(182, 186, 168) }
```

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

Here you see how a box with a 4 pixel rgb(182, 186, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 186, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 186, 168);  
box-shadow:4px 4px 4px 4px rgb(182, 186,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.8900, 0.3234, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 186, 168) }
```

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

```
.background{ background-color: rgb(182,  
186, 168) }
```

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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