

# Converting Colors

$Yxy(47.6088, 0.3381, 0.3901)$

Have a look what the booklet for  
Yxy(47.6088, 0.3381, 0.3901)  
contains.

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# Color

**Yxy(47.7255, 0.3383, 0.3911)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1BD8F
RGB	177, 189, 143
RGB Percent	69%, 74%, 56%
CMY	0.3060, 0.2588, 0.4392
CMYK	0.06, 0.00, 0.24, 0.26
HSL	76°, 26%, 65%
HSV	76°, 24%, 74%
XYZ	41.2824, 47.7255, 33.0210
YIQ	180.1680, 7.6140, -16.8500

# Conversions

## Conversions Part 2

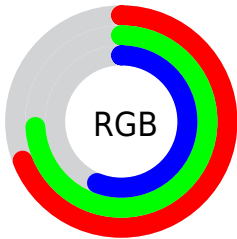
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">143, 189, 155</a>
Decimal	<a href="#">11648399</a>
CIELab	<a href="#">74.65, -12.08, 21.92</a>
CIELCh	<a href="#">75, 25.033, 118.859</a>
Yxy	<a href="#">47.7255, 0.3383, 0.3911</a>
Android (android.graphics.Color)	<a href="#">4289838479 (0xFFB1BD8F)</a>
YUV	<a href="#">180.1680, -18.3238, -2.7783</a>
Hunter-Lab	<a href="#">69.0836, -14.2300, 20.0188</a>

# Details

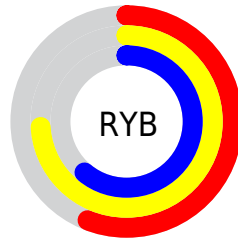
The Yxy color  $47.7255, 0.3383, 0.3911$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $30.2908, 0.2826, 0.2632$ , and the grayscale version is  $45.8329, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.6597, 0.3340, 0.3792$ , and  $22.6661, 0.3450, 0.4105$  is the 20% darker color. If you saturate the color by 10%, you get  $46.6321, 0.3484, 0.4180$ , and if you desaturate by 10%, it is  $48.9407, 0.3278, 0.3647$ .

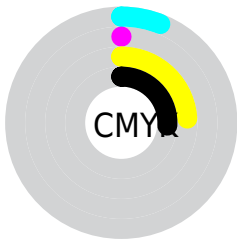
# Distribution



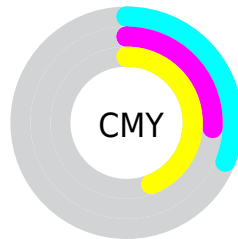
- Red (69%)
- Green (74%)
- Blue (56%)



- Red (56%)
- Yellow (74%)
- Blue (61%)



- Cyan (6%)
- Magenta (0%)
- Yellow (24%)
- Black (26%)



- Cyan (31%)
- Magenta (26%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7255, 0.3383, 0.3911 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 47.7255, 0.3383, 0.3911 by changing the saturation by 10% instead.





 47.7255, 0.3383,  
0.3911


 47.7255, 0.3383,  
0.3911


377.7030, 0.3260,  
0.3595

 33.6096, 0.3412,  
0.3991


 86.7956, 0.3340,  
0.3795

 22.5938, 0.3447,  
0.4095


 112.5185, 0.3323,  
0.3752

 14.2939, 0.3491,  
0.4233


142.8792, 0.3309,  
0.3715

 8.3253, 0.3547,  
0.4427

178.2620, 0.3297,  
0.3684

 4.3038, 0.3618,  
0.4716

219.0514, 0.3286,  
0.3657

 1.8449, 0.3876,  
0.5437

265.6318, 0.3276,

 0.5149, 0.2741,

0.3634

0.7259

318.3876, 0.3268,  
0.3613

0.0000, 0.0000,  
0.0000

47.7255, 0.3383,  
0.3911

47.7255, 0.3383,  
0.3911

46.6321, 0.3484,  
0.4180

48.9407, 0.3278,  
0.3647

45.6491, 0.3576,  
0.4447

50.2760, 0.3172,  
0.3395

44.7732, 0.3655,  
0.4700

51.7380, 0.3069,  
0.3158

43.9982, 0.3715,  
0.4928

53.3309, 0.2971,  
0.2940

43.3176, 0.3752,  
0.5121

55.0586, 0.2878,  
0.2740

■ 42.7235, 0.3764,  
0.5269

■ 56.8342, 0.2800,  
0.2571

■ 42.2068, 0.3751,  
0.5371

■ 57.5560, 0.2835,  
0.2578

■ 41.9383, 0.3737,  
0.5415

■ 58.3003, 0.2871,  
0.2586

■ 59.0672, 0.2907,  
0.2593

# Harmonies

## Analogous

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



47.7255, 0.3671, 0.3847



47.7255, 0.3383, 0.3911



47.7255, 0.3037, 0.3784

# Triad

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



47.7255, 0.3383, 0.3911



47.7255, 0.2483, 0.2890



47.7255, 0.3529, 0.3082

# Complementary

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



47.7255, 0.3383, 0.3911



30.2908, 0.2826, 0.2632

# 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.



47.7255, 0.3189, 0.2859



47.7255, 0.3383, 0.3911



47.7255, 0.2596, 0.2742

# Square

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



47.7255, 0.3383, 0.3911



47.7255, 0.2529, 0.3164



47.7255, 0.2849, 0.2735



47.7255, 0.3763, 0.3361



# Rectangle

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



47.7255, 0.3383, 0.3911



47.7255, 0.2821, 0.3606



47.7255, 0.2849, 0.2735



47.7255, 0.3423, 0.2999

# Sweetspot

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



47.7276, 0.3383, 0.3911



89.3475, 0.3201, 0.3463



36.0804, 0.3592, 0.3448



19.1825, 0.3208, 0.3478



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.



47.7276, 0.3383, 0.3911



84.4381, 0.3435, 0.4049



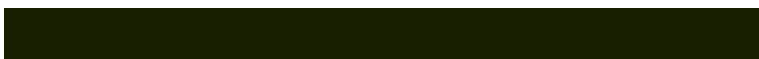
45.3028, 0.3190, 0.3950



10.9916, 0.3225, 0.3519



28.2519, 0.3743, 0.5410



1.1366, 0.3856, 0.5320



# Inverse Universe

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



30.2908, 0.2826, 0.2632



48.0344, 0.2750, 0.2475



32.7257, 0.3042, 0.2672



9.3428, 0.3023, 0.3056



2.9509, 0.1667, 0.0692



0.1485, 0.1934, 0.0839



# Previews

## White Background



This preview shows how the Yxy color 47.7255, 0.3383, 0.3911 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 47.7255, 0.3383, 0.3911 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

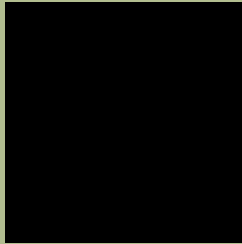
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

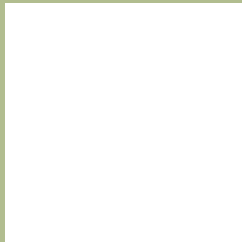
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.7255, 0.3383, 0.3911**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.7255, 0.3383, 0.3911.



This preview shows how white text looks on a background with the Yxy color 47.7255, 0.3383, 0.3911.

# 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

47.7255, 0.3383, 0.3911

### Protanopia

47.4962, 0.3596, 0.3844

### Deuteranopia

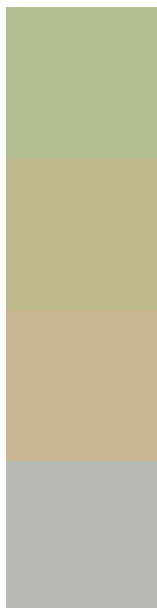
47.4221, 0.3736, 0.3657



## Tritanopia

47.6318, 0.3035, 0.3112

# Trichromacy



## Original Color

47.7255, 0.3383, 0.3911

## Protanomaly

47.4398, 0.3517, 0.3867

## Deuteranomaly

47.5096, 0.3606, 0.3747

## Tritanomaly

47.6960, 0.3156, 0.3395

# Monochromacy



## Original Color

47.7255, 0.3383, 0.3911

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

46.2407, 0.3220, 0.3504

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.7255, 0.3383, 0.3911 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(177, 189, 143)` looks like.

```
.text, #text, p{  
    color:rgb(177, 189, 143)  
}
```

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(177, 189, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 189, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 47.7255, 0.3383, 0.3911 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(177, 189, 143) }
```

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

```
.border{ border-color:rgb(177, 189, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 189, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 189, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 189, 143);  
box-shadow:4px 4px 4px 4px rgb(177, 189,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.7255, 0.3383, 0.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 189, 143) }
```

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

```
.background{ background-color: rgb(177,  
189, 143) }
```

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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