

# Converting Colors

$Yxy(47.6545, 0.3411, 0.4102)$

Have a look what the booklet for  
Yxy(47.6545, 0.3411, 0.4102)  
contains.

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# Color

**Yxy(47.5855, 0.3410, 0.4099)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ABBF84
RGB	171, 191, 132
RGB Percent	67%, 75%, 52%
CMY	0.3295, 0.2509, 0.4825
CMYK	0.10, 0.00, 0.31, 0.25
HSL	80°, 32%, 63%
HSV	80°, 31%, 75%
XYZ	39.5869, 47.5855, 28.9181
YIQ	178.2940, 7.0190, -22.5890

# Conversions

## Conversions Part 2

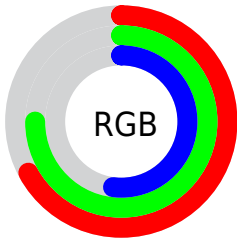
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 191, 152
Decimal	11255684
CIELab	74.56, -16.96, 27.58
CIELCh	75, 32.379, 121.580
Yxy	47.5855, 0.3410, 0.4099
Android (android.graphics.Color)	4289445764 (0xFFABBF84)
YUV	178.2940, -22.8229, -6.3968
Hunter-Lab	68.9822, -18.2831, 23.4325

# Details

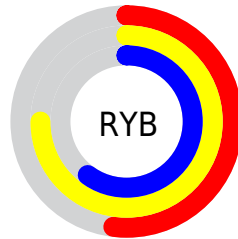
The Yxy color **47.5855, 0.3410, 0.4099** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.9322, 0.2771, 0.2439**, and the grayscale version is **44.8040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3976, 0.3363, 0.3937**, and **22.6377, 0.3469, 0.4343** is the 20% darker color. If you saturate the color by 10%, you get **46.4021, 0.3492, 0.4377**, and if you desaturate by 10%, it is **48.9045, 0.3321, 0.3824**.

# Distribution



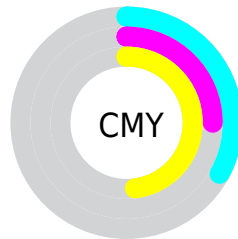
- Red (67%)
- Green (75%)
- Blue (52%)



- Red (52%)
- Yellow (75%)
- Blue (60%)



- Cyan (10%)
- Magenta (0%)
- Yellow (31%)
- Black (25%)




- Cyan (33%)
- Magenta (25%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5855, 0.3410, 0.4099 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 47.5855, 0.3410, 0.4099 by changing the saturation by 10% instead.





 47.5855, 0.3410,  
0.4099

 47.5855, 0.3410,  
0.4099


377.1468, 0.3278,  
0.3685

 33.4988, 0.3439,  
0.4205


 86.5869, 0.3365,  
0.3947

 22.5088, 0.3474,  
0.4341


 112.2704, 0.3347,  
0.3890

 14.2312, 0.3515,  
0.4523


 142.5883, 0.3332,  
0.3842

 8.2817, 0.3561,  
0.4777


177.9249, 0.3318,  
0.3801

 4.2757, 0.3605,  
0.5150

218.6646, 0.3306,  
0.3766

 1.8290, 0.3860,  
0.6140

265.1919, 0.3296,

 0.5051, 0.1158,

0.3736

0.8842

317.8912, 0.3287,  
0.3709

0.0000, 0.0000,  
0.0000

47.5855, 0.3410,  
0.4099

47.5855, 0.3410,  
0.4099

46.4021, 0.3492,  
0.4377

48.9045, 0.3321,  
0.3824

45.3423, 0.3562,  
0.4648

50.3581, 0.3228,  
0.3560

44.4018, 0.3616,  
0.4901


51.9534, 0.3135,  
0.3312

43.5739, 0.3648,  
0.5123


53.6951, 0.3045,  
0.3082


42.8506, 0.3655,  
0.5303

55.5877, 0.2959,  
0.2871


 42.2228, 0.3639,  
0.5434

 57.6354, 0.2878,  
0.2680

 41.7191, 0.3607,  
0.5518

 59.1353, 0.2870,  
0.2607

 60.1435, 0.2917,  
0.2616

 61.1910, 0.2964,  
0.2626

# Harmonies

## Analogous

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



47.5855, 0.3797, 0.4022



47.5855, 0.3410, 0.4099



47.5855, 0.2964, 0.3915

# Triad

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



47.5855, 0.3410, 0.4099



47.5855, 0.2313, 0.2746



47.5855, 0.3683, 0.3051

# Complementary

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



47.5855, 0.3410, 0.4099



26.9322, 0.2771, 0.2439

# 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.



47.5855, 0.3245, 0.2764



47.5855, 0.3410, 0.4099



47.5855, 0.2471, 0.2582

# Square

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



47.5855, 0.3410, 0.4099



47.5855, 0.2350, 0.3080



47.5855, 0.2802, 0.2595



47.5855, 0.3971, 0.3404



# Rectangle

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



47.5855, 0.3410, 0.4099



47.5855, 0.2695, 0.3666



47.5855, 0.2802, 0.2595



47.5855, 0.3547, 0.2945

# Sweetspot

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



47.5876, 0.3410, 0.4099



90.6673, 0.3212, 0.3515



35.0866, 0.3736, 0.3560



19.8206, 0.3225, 0.3553



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



47.5876, 0.3410, 0.4099



83.7771, 0.3466, 0.4285



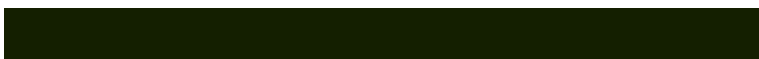
44.6652, 0.3163, 0.4165



10.9541, 0.3213, 0.3520



27.4600, 0.3615, 0.5512



1.1103, 0.3757, 0.5399



# Inverse Universe

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



26.9322, 0.2771, 0.2439



41.0051, 0.2675, 0.2231



30.1017, 0.3062, 0.2508



9.3784, 0.3035, 0.3057



3.2457, 0.1764, 0.0745



0.1638, 0.2048, 0.0902



# Previews

## White Background



This preview shows how the Yxy color 47.5855, 0.3410, 0.4099 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

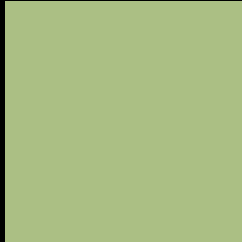
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.5855, 0.3410, 0.4099 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

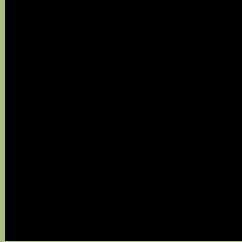
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.5855, 0.3410, 0.4099**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.5855, 0.3410, 0.4099.



This preview shows how white text looks on a background with the Yxy color 47.5855, 0.3410, 0.4099.

# 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

47.5855, 0.3410, 0.4099

### Protanopia

47.4577, 0.3705, 0.3980

### Deuteranopia

47.3989, 0.3853, 0.3788



## Tritanopia

47.6015, 0.2995, 0.3111

# Trichromacy



## Original Color

47.5855, 0.3410, 0.4099

## Protanomaly

47.4209, 0.3593, 0.4026

## Deuteranomaly

47.0483, 0.3690, 0.3889

## Tritanomaly

47.4821, 0.3153, 0.3462

# Monochromacy



## Original Color

47.5855, 0.3410, 0.4099

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

45.5541, 0.3233, 0.3588

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.5855, 0.3410, 0.4099 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(171, 191, 132)` looks like.

```
.text, #text, p{  
    color:rgb(171, 191, 132)  
}
```

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(171, 191, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 191, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 47.5855, 0.3410, 0.4099 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(171, 191, 132) }
```

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

```
.border{ border-color:rgb(171, 191, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 191, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 191, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 191, 132);  
box-shadow:4px 4px 4px 4px rgb(171, 191,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.5855, 0.3410, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 191, 132) }
```

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

```
.background{ background-color: rgb(171,  
191, 132) }
```

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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