

# Converting Colors

$Yxy(48.8517, 0.3012, 0.3317)$

Have a look what the booklet for  
Yxy(48.8517, 0.3012, 0.3317)  
contains.

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# Color

**Yxy(48.8673, 0.3013, 0.3316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADBDBB
RGB	173, 189, 187
RGB Percent	68%, 74%, 73%
CMY	0.3215, 0.2588, 0.2667
CMYK	0.08, 0.00, 0.01, 0.26
HSL	172°, 11%, 71%
HSV	172°, 8%, 74%
XYZ	44.4020, 48.8673, 54.0989
YIQ	183.9880, -8.8940, -4.0140

# Conversions

## Conversions Part 2

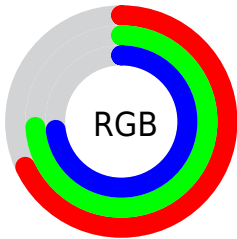
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 182, 189
Decimal	11386299
CIELab	75.37, -5.87, -0.87
CIELCh	75, 5.931, 188.475
Yxy	48.8673, 0.3013, 0.3316
Android (android.graphics.Color)	4289576379 (0xFFADBDBB)
YUV	183.9880, 1.4849, -9.6365
Hunter-Lab	69.9052, -8.9552, 3.0497

# Details

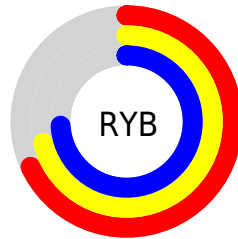
The Yxy color **48.8673, 0.3013, 0.3316** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.8083, 0.3254, 0.3264**, and the grayscale version is **47.9230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2699, 0.3031, 0.3310**, and **23.3945, 0.2984, 0.3325** is the 20% darker color. If you saturate the color by 10%, you get **46.7636, 0.2884, 0.3350**, and if you desaturate by 10%, it is **51.2816, 0.3148, 0.3286**.

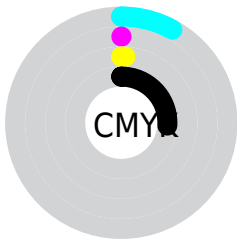
# Distribution



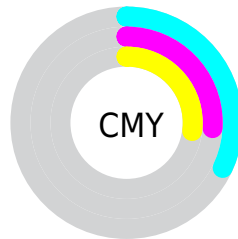
- Red (68%)
- Green (74%)
- Blue (73%)



- Red (68%)
- Yellow (71%)
- Blue (74%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)




- Cyan (32%)
- Magenta (26%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8673, 0.3013, 0.3316 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 48.8673, 0.3013, 0.3316 by changing the saturation by 10% instead.




 48.8673, 0.3013,  
0.3316

 48.8673, 0.3013,  
0.3316

382.2197, 0.3070,  
0.3303

 34.5142, 0.2999,  
0.3319


 88.4943, 0.3033,  
0.3311

 23.2889, 0.2981,  
0.3323

114.5371, 0.3041,  
0.3310

 14.8070, 0.2957,  
0.3328


145.2452, 0.3048,  
0.3308

 8.6840, 0.2925,  
0.3335

181.0030, 0.3053,  
0.3307

 4.5357, 0.2876,  
0.3346

222.1950, 0.3058,  
0.3306

 1.9775, 0.2797,  
0.3362

269.2055, 0.3062,

 0.5943, 0.2446,

0.3305


0.3447


322.4189, 0.3066,  
0.3304


 0.0000, 0.0000,  
0.0000


 48.8673, 0.3013,  
0.3316


 48.8673, 0.3013,  
0.3316


 46.7636, 0.2884,  
0.3350


 51.2816, 0.3148,  
0.3286


 44.9516, 0.2764,  
0.3386

 54.0123, 0.3287,  
0.3258

 43.4198, 0.2655,  
0.3425

 57.0728, 0.3427,  
0.3233

 42.1533, 0.2561,  
0.3465

 60.4739, 0.3566,  
0.3212

 41.1362, 0.2484,  
0.3508

 61.7743, 0.3600,  
0.3189

■ 40.3506, 0.2425,  
0.3551

■ 61.8856, 0.3580,  
0.3164

■ 39.7764, 0.2385,  
0.3595

■ 61.9987, 0.3560,  
0.3140

■ 39.3898, 0.2364,  
0.3639

■ 62.1135, 0.3540,  
0.3115

■ 39.1523, 0.2358,  
0.3682

■ 62.2301, 0.3520,  
0.3091

# Harmonies

## Analogous

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



48.8673, 0.3083, 0.3384



48.8673, 0.3013, 0.3316



48.8673, 0.2974, 0.3242

# Triad

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



48.8673, 0.3013, 0.3316



48.8673, 0.3088, 0.3159



48.8673, 0.3282, 0.3396

# Complementary

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



48.8673, 0.3013, 0.3316



43.8083, 0.3254, 0.3264

# 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.



48.8673, 0.3283, 0.3335



48.8673, 0.3013, 0.3316



48.8673, 0.3171, 0.3199

# Square

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



48.8673, 0.3013, 0.3316



48.8673, 0.3017, 0.3153



48.8673, 0.3242, 0.3263



48.8673, 0.3238, 0.3430



# Rectangle

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



48.8673, 0.3013, 0.3316



48.8673, 0.2970, 0.3200



48.8673, 0.3242, 0.3263



48.8673, 0.3287, 0.3378

# Sweetspot

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



48.8694, 0.3013, 0.3316



89.7911, 0.3086, 0.3299



48.5447, 0.3135, 0.3502



19.2342, 0.3075, 0.3302



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.



48.8694, 0.3013, 0.3316



86.8433, 0.2991, 0.3322



46.4850, 0.2998, 0.3212



10.7883, 0.3001, 0.3319



26.3284, 0.2356, 0.3683



1.0372, 0.2328, 0.3579



# Inverse Universe

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



43.8083, 0.3254, 0.3264



76.0805, 0.3283, 0.3259



46.0277, 0.3264, 0.3366



9.5554, 0.3269, 0.3261



7.3294, 0.6222, 0.3201



0.2936, 0.5715, 0.2922



# Previews

## White Background



This preview shows how the Yxy color 48.8673, 0.3013, 0.3316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

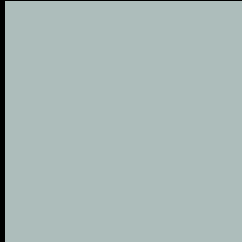
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.8673, 0.3013, 0.3316 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

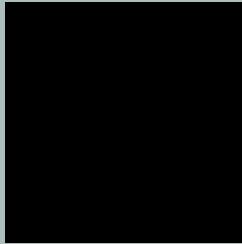
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

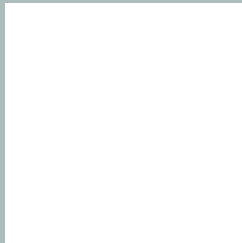
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.8673, 0.3013, 0.3316**

## Background



This preview shows how black text looks on a background with the Yxy color 48.8673, 0.3013, 0.3316.



This preview shows how white text looks on a background with the Yxy color 48.8673, 0.3013, 0.3316.

# 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

48.8673, 0.3013, 0.3316

### Protanopia

48.5605, 0.3169, 0.3290

### Deuteranopia

48.8732, 0.3245, 0.3180



## Tritanopia

48.9189, 0.2920, 0.3098

# Trichromacy



## Original Color

48.8673, 0.3013, 0.3316

## Protanomaly

48.6879, 0.3110, 0.3303

## Deuteranomaly

48.5742, 0.3155, 0.3227

## Tritanomaly

48.9963, 0.2948, 0.3173

# Monochromacy



## Original Color

48.8673, 0.3013, 0.3316

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

48.3239, 0.3085, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.8673, 0.3013, 0.3316 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(173, 189, 187)` looks like.

```
.text, #text, p{  
    color:rgb(173, 189, 187)  
}
```

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(173, 189, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 189, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 48.8673, 0.3013, 0.3316 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(173, 189, 187) }
```

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

```
.border{ border-color:rgb(173, 189, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 189, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 189, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 189, 187); box-shadow:4px 4px 4px 4px rgb(173, 189, 187) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.8673, 0.3013, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 189, 187) }
```

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

```
.background{ background-color: rgb(173,  
189, 187) }
```

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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