

Converting Colors

$Y_{xy}(48.9373, 0.3190, 0.3380)$

Have a look what the booklet for
Yxy(48.9373, 0.3190, 0.3380)
contains.

Yxy(48.9373, 0.3190, 0.3380)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.9373, 0.3190, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	BBBAB3
RGB	187, 186, 179
RGB Percent	73%, 73%, 70%
CMY	0.2667, 0.2706, 0.2980
CMYK	0.00, 0.01, 0.04, 0.27
HSL	53°, 6%, 72%
HSV	53°, 4%, 73%
XYZ	46.1864, 48.9373, 49.6612
YIQ	185.5010, 2.8430, -1.9650

Conversions

Conversions Part 2

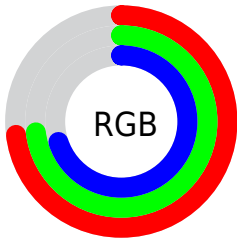
Format	Color
R _Y B	180, 187, 179
Decimal	12303027
CIE Lab	75.41, -0.93, 3.66
CIE LCh	75, 3.772, 104.206
Yxy	48.9373, 0.3190, 0.3380
Android (android.graphics.Color)	4290493107 (0xFFBBBAB3)
YUV	185.5010, -3.2050, 1.3146
Hunter-Lab	69.9552, -4.5709, 6.8786

Details

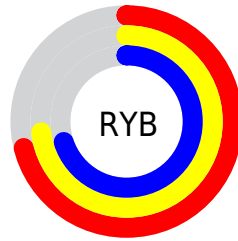
The Yxy color **48.9373, 0.3190, 0.3380** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.8059, 0.3064, 0.3198**, and the grayscale version is **48.8264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5571, 0.3176, 0.3360**, and **23.3497, 0.3213, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **47.2781, 0.3344, 0.3597**, and if you desaturate by 10%, it is **50.7188, 0.3046, 0.3172**.

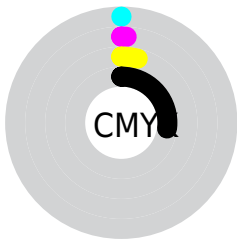
Distribution



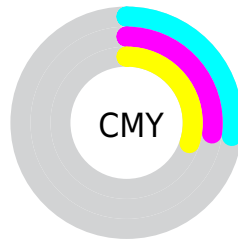
- Red (73%)
- Green (73%)
- Blue (70%)



- Red (71%)
- Yellow (73%)
- Blue (70%)



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (27%)



- Cyan (27%)
- Magenta (27%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9373, 0.3190, 0.3380 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 48.9373, 0.3190, 0.3380 by changing the saturation by 10% instead.

■ 48.9373, 0.3190,
0.3380

■ 48.9373, 0.3190,
0.3380

382.4954, 0.3159,
0.3335

■ 34.5697, 0.3198,
0.3391

■ 88.5983, 0.3179,
0.3364

■ 23.3316, 0.3208,
0.3405

114.6606, 0.3175,
0.3358

■ 14.8386, 0.3221,
0.3424

145.3899, 0.3171,
0.3353

■ 8.7062, 0.3239,
0.3450

181.1706, 0.3168,
0.3348

■ 4.5500, 0.3265,
0.3490

222.3871, 0.3165,
0.3344

■ 1.9858, 0.3309,
0.3554

269.4238, 0.3163,

■ 0.5992, 0.3545,

0.3341

0.3884

322.6651, 0.3161,
0.3338

0.0000, 0.0000,
0.0000

48.9373, 0.3190,
0.3380

48.9373, 0.3190,
0.3380

47.2781, 0.3344,
0.3597

50.7188, 0.3046,
0.3172

45.7305, 0.3504,
0.3819

52.6201, 0.2912,
0.2977

44.2924, 0.3667,
0.4040

54.6470, 0.2789,
0.2795

42.9589, 0.3829,
0.4251

56.8033, 0.2678,
0.2627

41.7248, 0.3983,
0.4443

57.9134, 0.2673,
0.2642

■ 40.5844, 0.4121,
0.4607

■ 58.9621, 0.2676,
0.2668

■ 39.5314, 0.4239,
0.4734

■ 60.0267, 0.2679,
0.2695

■ 38.5583, 0.4332,
0.4818

■ 61.1071, 0.2681,
0.2721

■ 37.6564, 0.4397,
0.4858

■ 62.2035, 0.2684,
0.2748

Harmonies

Analogous

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



48.9373, 0.3222, 0.3363



48.9373, 0.3190, 0.3380



48.9373, 0.3142, 0.3372

Triad

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



48.9373, 0.3190, 0.3380



48.9373, 0.3027, 0.3252



48.9373, 0.3165, 0.3239

Complementary

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



48.9373, 0.3190, 0.3380



45.8059, 0.3064, 0.3198

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.



48.9373, 0.3112, 0.3210



48.9373, 0.3190, 0.3380



48.9373, 0.3033, 0.3217

Square

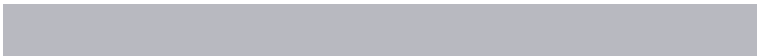
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.9373, 0.3190, 0.3380



48.9373, 0.3048, 0.3298



48.9373, 0.3064, 0.3201



48.9373, 0.3207, 0.3282

Rectangle

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



48.9373, 0.3190, 0.3380



48.9373, 0.3106, 0.3354



48.9373, 0.3064, 0.3201



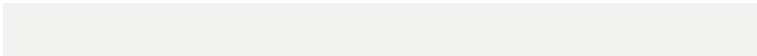
48.9373, 0.3148, 0.3227

Sweetspot

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



48.9394, 0.3190, 0.3380



88.6794, 0.3142, 0.3311



46.1031, 0.3188, 0.3276



19.5323, 0.3141, 0.3310



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.



48.9394, 0.3190, 0.3380



87.4167, 0.3202, 0.3397



48.9865, 0.3164, 0.3393



11.0590, 0.3210, 0.3409



25.6802, 0.4423, 0.4870



1.0626, 0.4361, 0.4920

Inverse Universe

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



45.8059, 0.3064, 0.3198



80.7699, 0.3051, 0.3180



45.7660, 0.3089, 0.3186



10.1313, 0.3043, 0.3168



2.9488, 0.1529, 0.0702



0.1780, 0.1616, 0.1018

Previews

White Background



This preview shows how the Yxy color 48.9373, 0.3190, 0.3380 looks on a white background.

Color Contrast Check

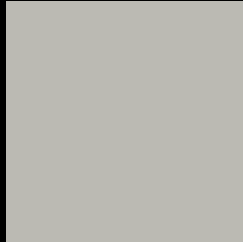
Large Text (above 18pt) WCAG AA × Fail

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 48.9373, 0.3190, 0.3380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

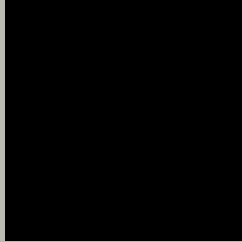
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

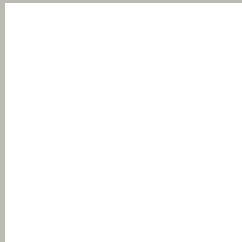
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9373, 0.3190, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 48.9373, 0.3190, 0.3380.



This preview shows how white text looks on a background with the Yxy color 48.9373, 0.3190, 0.3380.

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

48.9373, 0.3190, 0.3380

Protanopia

48.9886, 0.3233, 0.3379

Deuteranopia

49.0596, 0.3355, 0.3291



Tritanopia

48.8913, 0.3069, 0.3103

Trichromacy



Original Color

48.9373, 0.3190, 0.3380

Protanomaly

48.8594, 0.3225, 0.3380

Deuteranomaly

48.8933, 0.3290, 0.3315

Tritanomaly

48.8614, 0.3115, 0.3202

Monochromacy



Original Color

48.9373, 0.3190, 0.3380

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.9758, 0.3150, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9373, 0.3190, 0.3380 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(187, 186, 179)` looks like.

```
.text, #text, p{  
    color:rgb(187, 186, 179)  
}
```

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(187, 186, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 186, 179) }
```

Border

The CSS property to change the border of an element to Yxy 48.9373, 0.3190, 0.3380 is called "border". The border property can be set on classes, ids or directly on the HTML element.

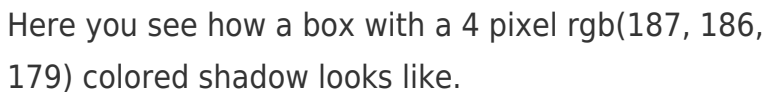
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 186, 179) }
```

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

```
.border{ border-color:rgb(187, 186, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 186, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 186, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 186, 179); box-shadow:4px 4px 4px 4px rgb(187, 186, 179) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9373, 0.3190, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 186, 179) }
```

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

```
.background{ background-color: rgb(187,  
186, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor