

# Converting Colors

$Y_{xy}(43.2900, 0.3164, 0.3294)$

Have a look what the booklet for  
Yxy(43.2900, 0.3164, 0.3294)  
contains.

<b>Yxy(43.3388, 0.3163, 0.3290)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(43.3388, 0.3163, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3AFAF
RGB	179, 175, 175
RGB Percent	70%, 69%, 69%
CMY	0.2979, 0.3138, 0.3137
CMYK	0.00, 0.02, 0.02, 0.30
HSL	360°, 3%, 69%
HSV	360°, 2%, 70%
XYZ	41.6658, 43.3388, 46.7242
YIQ	176.1960, 2.3840, 0.8480

# Conversions

## Conversions Part 2

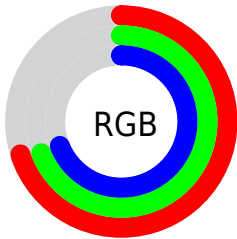
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 175, 175
Decimal	11775919
CIELab	71.78, 1.44, 0.50
CIELCh	72, 1.528, 19.023
Yxy	43.3388, 0.3163, 0.3290
Android (android.graphics.Color)	4289965999 (0xFFB3AF AF)
YUV	176.1960, -0.5896, 2.4591
Hunter-Lab	65.8322, -2.2320, 4.0016

# Details

The Yxy color  $43.3388, 0.3163, 0.3290$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $44.6285, 0.3092, 0.3290$ , and the grayscale version is  $43.5297, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $79.9690, 0.3161, 0.3290$ , and  $20.0316, 0.3164, 0.3290$  is the 20% darker color. If you saturate the color by 10%, you get  $36.1707, 0.3345, 0.3290$ , and if you desaturate by 10%, it is  $51.5277, 0.3017, 0.3290$ .

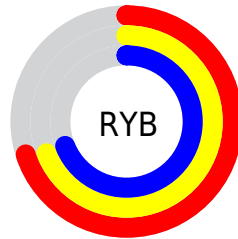
# Distribution



Red (70%)

Green (69%)

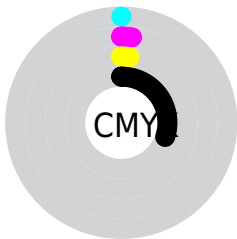
Blue (69%)



Red (70%)

Yellow (69%)

Blue (69%)

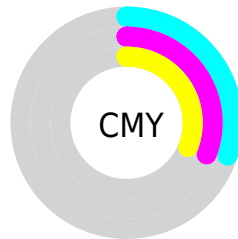


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (30%)



Cyan (30%)

Magenta (31%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.3388, 0.3163, 0.3290 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 43.3388, 0.3163, 0.3290 by changing the saturation by 10% instead.



■ 43.3388, 0.3163,  
0.3290

■ 43.3388, 0.3163,  
0.3290

360.0032, 0.3145,  
0.3290

■ 30.1510, 0.3168,  
0.3290

■ 80.2219, 0.3156,  
0.3290

■ 19.9533, 0.3174,  
0.3290

104.6860, 0.3154,  
0.3290

■ 12.3611, 0.3182,  
0.3290

133.6776, 0.3152,  
0.3290

■ 6.9901, 0.3193,  
0.3290

167.5812, 0.3150,  
0.3290

■ 3.4559, 0.3210,  
0.3289

206.7812, 0.3148,  
0.3290

■ 1.3741, 0.3241,  
0.3289

251.6620, 0.3147,

■ 0.1975, 0.3712,

0.3290

0.3288

302.6078, 0.3146,  
0.3290

0.0000, 0.0000,  
0.0000

43.3388, 0.3163,  
0.3290

43.3388, 0.3163,  
0.3290

36.1707, 0.3345,  
0.3290

51.5277, 0.3017,  
0.3290

29.9782, 0.3571,  
0.3290

60.7694, 0.2900,  
0.3290

24.7207, 0.3853,  
0.3291

71.1014, 0.2805,  
0.3290

20.3530, 0.4199,  
0.3292

82.5576, 0.2728,  
0.3290

16.8256, 0.4608,  
0.3292

88.3294, 0.2696,  
0.3289

■ 14.0849, 0.5069,  
0.3294

■ 12.0704, 0.5542,  
0.3295

■ 10.7132, 0.5961,  
0.3297

■ 9.9313, 0.6256,  
0.3298

# Harmonies

## Analogous

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



43.3388, 0.3146, 0.3271



43.3388, 0.3163, 0.3290



43.3388, 0.3170, 0.3309

# Triad

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



43.3388, 0.3163, 0.3290



43.3388, 0.3130, 0.3323



43.3388, 0.3089, 0.3258

# Complementary

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



43.3388, 0.3163, 0.3290



44.6285, 0.3092, 0.3290

# 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.



43.3388, 0.3085, 0.3271



43.3388, 0.3163, 0.3290



43.3388, 0.3108, 0.3309

# Square

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



43.3388, 0.3163, 0.3290



43.3388, 0.3151, 0.3328



43.3388, 0.3092, 0.3290



43.3388, 0.3104, 0.3253



# Rectangle

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



43.3388, 0.3163, 0.3290



43.3388, 0.3168, 0.3319



43.3388, 0.3092, 0.3290



43.3388, 0.3086, 0.3261

# Sweetspot

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



43.3407, 0.3163, 0.3290



79.3055, 0.3143, 0.3290



43.4942, 0.3129, 0.3236



17.5868, 0.3142, 0.3290



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

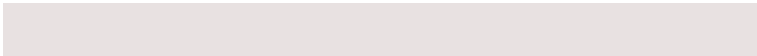


# Same Dimension

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



43.3407, 0.3163, 0.3290



76.5041, 0.3176, 0.3290



44.1093, 0.3161, 0.3316



9.4076, 0.3187, 0.3290



6.7728, 0.6399, 0.3299



0.2132, 0.6390, 0.3294

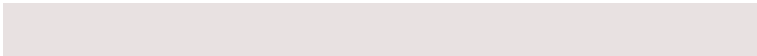


# Inverse Universe

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



43.3407, 0.3163, 0.3290



76.5041, 0.3176, 0.3290



43.8480, 0.3093, 0.3264



9.4076, 0.3187, 0.3290



6.7728, 0.6399, 0.3299



0.2132, 0.6390, 0.3294



# Previews

## White Background



This preview shows how the Yxy color 43.3388, 0.3163, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

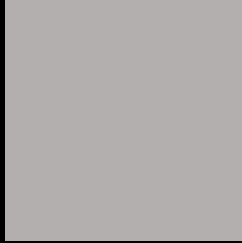
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.3388, 0.3163, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

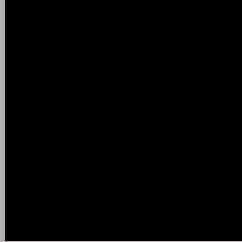
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

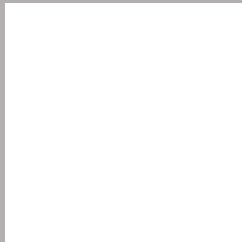
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.3388, 0.3163, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.3388, 0.3163, 0.3290.

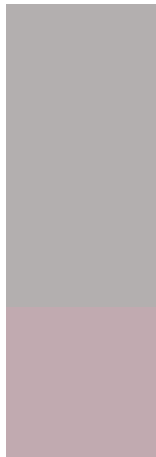


This preview shows how white text looks on a background with the Yxy color 43.3388, 0.3163, 0.3290.

# 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

43.3388, 0.3163, 0.3290

### Protanopia

43.3388, 0.3163, 0.3290

### Deuteranopia

43.2215, 0.3286, 0.3213



## Tritanopia

43.2988, 0.3083, 0.3107

# Trichromacy



## Original Color

43.3388, 0.3163, 0.3290

## Protanomaly

43.3388, 0.3163, 0.3290

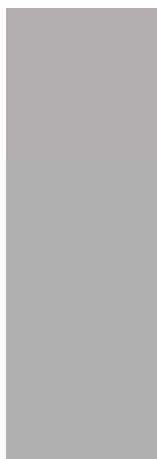
## Deuteranomaly

43.3310, 0.3238, 0.3238

## Tritanomaly

43.3943, 0.3106, 0.3171

# Monochromacy



## Original Color

43.3388, 0.3163, 0.3290

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

43.5324, 0.3136, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.3388, 0.3163, 0.3290 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(179, 175, 175)` looks like.

```
.text, #text, p{  
    color:rgb(179, 175, 175)  
}
```

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(179, 175, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 175, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 43.3388, 0.3163, 0.3290 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(179, 175, 175) }
```

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

```
.border{ border-color:rgb(179, 175, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 175, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 175, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 175, 175);  
box-shadow:4px 4px 4px 4px rgb(179, 175,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.3388, 0.3163, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 175, 175) }
```

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

```
.background{ background-color: rgb(179,  
175, 175) }
```

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