

# Converting Colors

$Y_{xy}(47.2156, 0.3156, 0.3236)$

Have a look what the booklet for  
Yxy(47.2156, 0.3156, 0.3236)  
contains.

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# Color

**Yxy(47.2419, 0.3155, 0.3239)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BCB5B9
RGB	188, 181, 185
RGB Percent	74%, 71%, 73%
CMY	0.2628, 0.2902, 0.2745
CMYK	0.00, 0.04, 0.02, 0.26
HSL	326°, 5%, 72%
HSV	326°, 4%, 74%
XYZ	46.0167, 47.2419, 52.5947
YIQ	183.5490, 2.8880, 2.7280

# Conversions

## Conversions Part 2

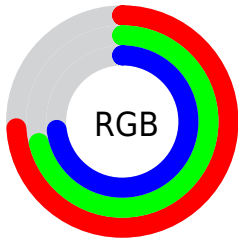
Format	Color
<b>R<sub>YB</sub></b>	188, 181, 185
Decimal	12367289
CIE Lab	74.34, 3.20, -1.16
CIE LCh	74, 3.400, 340.075
Yxy	47.2419, 0.3155, 0.3239
Android (android.graphics.Color)	4290557369 (0xFFBCB5B9)
YUV	183.5490, 0.7153, 3.9035
Hunter-Lab	68.7327, -0.7761, 2.7438

# Details

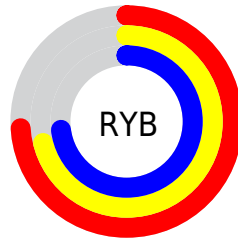
The Yxy color `47.2419, 0.3155, 0.3239` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `49.2438, 0.3100, 0.3342`, and the grayscale version is `47.6659, 0.3127, 0.3290`.

A 20% lighter version of the original color is `86.1523, 0.3149, 0.3250`, and `22.2552, 0.3166, 0.3221` is the 20% darker color. If you saturate the color by 10%, you get `39.7780, 0.3240, 0.3096`, and if you desaturate by 10%, it is `55.7605, 0.3084, 0.3374`.

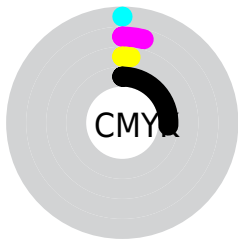
# Distribution



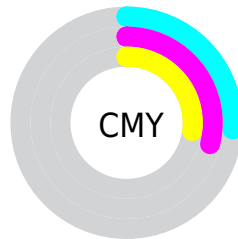
- Red (74%)
- Green (71%)
- Blue (73%)



- Red (74%)
- Yellow (71%)
- Blue (73%)



- Cyan (0%)
- Magenta (4%)
- Yellow (2%)
- Black (26%)



- Cyan (26%)
- Magenta (29%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2419, 0.3155, 0.3239 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 47.2419, 0.3155, 0.3239 by changing the saturation by 10% instead.



■ 47.2419, 0.3155,  
0.3239

■ 47.2419, 0.3155,  
0.3239

375.7793, 0.3141,  
0.3264

■ 33.2269, 0.3158,  
0.3233

■ 86.0746, 0.3150,  
0.3248

■ 22.3003, 0.3163,  
0.3225

111.6611, 0.3148,  
0.3252

■ 14.0778, 0.3169,  
0.3214

141.8736, 0.3147,  
0.3255

■ 8.1748, 0.3177,  
0.3199

177.0964, 0.3145,  
0.3257

■ 4.2070, 0.3189,  
0.3177

217.7140, 0.3144,  
0.3259

■ 1.7900, 0.3209,  
0.3140

264.1107, 0.3143,

■ 0.4809, 0.3302,

0.3261

0.2967

316.6710, 0.3142,  
0.3263

0.0000, 0.0000,  
0.0000

47.2419, 0.3155,  
0.3239

47.2419, 0.3155,  
0.3239

39.7780, 0.3240,  
0.3096

55.7605, 0.3084,  
0.3374

33.3214, 0.3341,  
0.2947

65.3666, 0.3025,  
0.3499

27.8300, 0.3461,  
0.2796

76.0994, 0.2976,  
0.3615

23.2564, 0.3601,  
0.2649

87.2242, 0.2935,  
0.3709

19.5493, 0.3761,  
0.2514

87.6523, 0.2893,  
0.3617

■ 16.6522, 0.3939,  
0.2401

■ 88.1010, 0.2851,  
0.3527

■ 14.5018, 0.4131,  
0.2322

■ 88.5705, 0.2810,  
0.3438

■ 13.0254, 0.4331,  
0.2288

■ 89.0612, 0.2770,  
0.3351

■ 12.1353, 0.4530,  
0.2306

■ 89.4291, 0.2741,  
0.3289

# Harmonies

## Analogous

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



47.2419, 0.3107, 0.3215



47.2419, 0.3155, 0.3239



47.2419, 0.3196, 0.3277

# Triad

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



47.2419, 0.3155, 0.3239



47.2419, 0.3190, 0.3371



47.2419, 0.3037, 0.3261

# Complementary

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



47.2419, 0.3155, 0.3239



49.2438, 0.3100, 0.3342

# 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.



47.2419, 0.3059, 0.3303



47.2419, 0.3155, 0.3239



47.2419, 0.3147, 0.3367

# Square

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



47.2419, 0.3155, 0.3239



47.2419, 0.3216, 0.3353



47.2419, 0.3099, 0.3342



47.2419, 0.3039, 0.3227



# Rectangle

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



47.2419, 0.3155, 0.3239



47.2419, 0.3213, 0.3305



47.2419, 0.3099, 0.3342



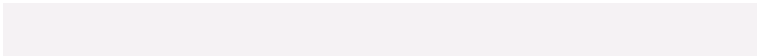
47.2419, 0.3042, 0.3274

# Sweetspot

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



47.2439, 0.3155, 0.3239



89.6073, 0.3135, 0.3276



46.8618, 0.3097, 0.3200



19.2865, 0.3134, 0.3277



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

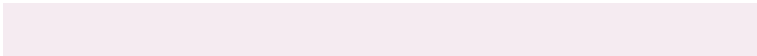


# Same Dimension

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



47.2439, 0.3155, 0.3239



85.1260, 0.3158, 0.3234



47.1014, 0.3182, 0.3283



10.4273, 0.3163, 0.3226



8.0279, 0.4630, 0.2324



0.3273, 0.4203, 0.2089

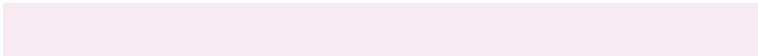


# Inverse Universe

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



47.2439, 0.3155, 0.3239



85.1260, 0.3158, 0.3234



49.3887, 0.3074, 0.3297



10.4273, 0.3163, 0.3226



8.0279, 0.4630, 0.2324



0.3273, 0.4203, 0.2089



# Previews

## White Background



This preview shows how the Yxy color 47.2419, 0.3155, 0.3239 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 47.2419, 0.3155, 0.3239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

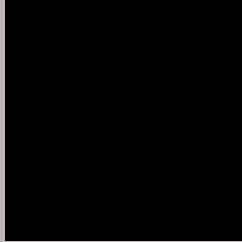
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

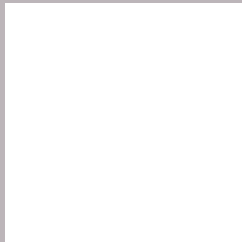
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.2419, 0.3155, 0.3239**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.2419, 0.3155, 0.3239.



This preview shows how white text looks on a background with the Yxy color 47.2419, 0.3155, 0.3239.

# 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

47.2419, 0.3155, 0.3239

### Protanopia

47.3154, 0.3121, 0.3239

### Deuteranopia

47.1316, 0.3246, 0.3178



## Tritanopia

47.3564, 0.3093, 0.3113

# Trichromacy



## Original Color

47.2419, 0.3155, 0.3239

## Protanomaly

47.4402, 0.3130, 0.3239

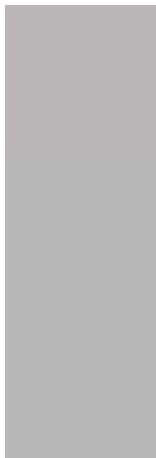
## Deuteranomaly

46.9881, 0.3210, 0.3190

## Tritanomaly

47.2229, 0.3117, 0.3151

# Monochromacy



## Original Color

47.2419, 0.3155, 0.3239

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

47.6420, 0.3136, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2419, 0.3155, 0.3239 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(188, 181, 185)` looks like.

```
.text, #text, p{  
    color:rgb(188, 181, 185)  
}
```

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(188, 181, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 181, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2419, 0.3155, 0.3239 is called "border". The border property can be set on classes, ids or directly on the HTML element.

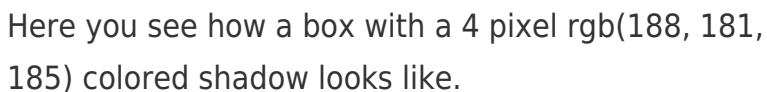
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 181, 185) }
```

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

```
.border{ border-color:rgb(188, 181, 185) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 181, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 181, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 181, 185); box-shadow:4px 4px 4px 4px rgb(188, 181, 185) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2419, 0.3155, 0.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 181, 185) }
```

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

```
.background{ background-color: rgb(188,  
181, 185) }
```

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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