

# Converting Colors

$Y_{xy}(47.8099, 0.3103, 0.3191)$

Have a look what the booklet for  
Yxy(47.8099, 0.3103, 0.3191)  
contains.

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# Color

**Yxy(47.7384, 0.3107, 0.3188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBB6BE
RGB	187, 182, 190
RGB Percent	73%, 71%, 75%
CMY	0.2665, 0.2863, 0.2549
CMYK	0.02, 0.04, 0.00, 0.25
HSL	278°, 6%, 73%
HSV	278°, 4%, 75%
XYZ	46.5255, 47.7384, 55.4802
YIQ	184.4070, 0.4120, 3.5480

# Conversions

## Conversions Part 2

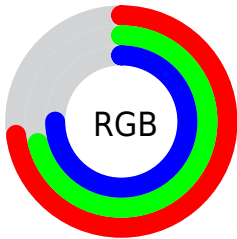
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 182, 190
Decimal	12302014
CIE Lab	74.66, 3.28, -3.43
CIE LCh	75, 4.747, 313.675
Yxy	47.7384, 0.3107, 0.3188
Android (android.graphics.Color)	4290492094 (0xFFBBB6BE)
YUV	184.4070, 2.7573, 2.2741
Hunter-Lab	69.0930, -0.7153, 0.7565

# Details

The Yxy color  $47.7384, 0.3107, 0.3188$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $50.5134, 0.3147, 0.3393$ , and the grayscale version is  $48.1586, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.8576, 0.3111, 0.3210$ , and  $22.5750, 0.3099, 0.3152$  is the 20% darker color. If you saturate the color by 10%, you get  $39.6177, 0.3053, 0.2934$ , and if you desaturate by 10%, it is  $56.9621, 0.3152, 0.3424$ .

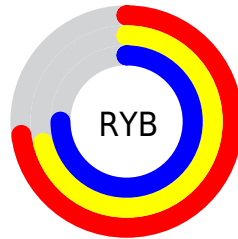
# Distribution



Red (73%)

Green (71%)

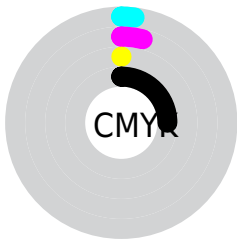
Blue (75%)



Red (73%)

Yellow (71%)

Blue (75%)

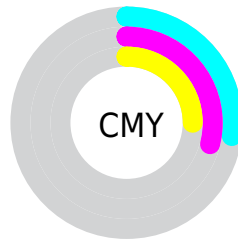


Cyan (2%)

Magenta (4%)

Yellow (0%)

Black (25%)



Cyan (27%)

Magenta (29%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7384, 0.3107, 0.3188 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 47.7384, 0.3107, 0.3188 by changing the saturation by 10% instead.



■ 47.7384, 0.3107,  
0.3188

■ 47.7384, 0.3107,  
0.3188

377.7543, 0.3117,  
0.3239

■ 33.6198, 0.3104,  
0.3176

■ 86.8148, 0.3111,  
0.3206

■ 22.6016, 0.3101,  
0.3160

112.5413, 0.3112,  
0.3213

■ 14.2996, 0.3097,  
0.3138

142.9059, 0.3113,  
0.3219

■ 8.3294, 0.3090,  
0.3109

178.2931, 0.3114,  
0.3224

■ 4.3064, 0.3081,  
0.3066

219.0871, 0.3115,  
0.3228

■ 1.8464, 0.3065,  
0.2996

265.6723, 0.3116,

■ 0.5158, 0.3021,

0.3232

0.2732

318.4333, 0.3117,  
0.3236

0.0000, 0.0000,  
0.0000

47.7384, 0.3107,  
0.3188

47.7384, 0.3107,  
0.3188

39.6177, 0.3053,  
0.2934

56.9621, 0.3152,  
0.3424

32.5511, 0.2989,  
0.2665

67.3232, 0.3190,  
0.3641

26.4949, 0.2916,  
0.2387

78.8620, 0.3221,  
0.3838

21.4000, 0.2833,  
0.2109

89.6922, 0.3249,  
0.3987

17.2131, 0.2743,  
0.1840

90.7748, 0.3294,  
0.3977

■ 13.8756, 0.2646,  
0.1593

■ 91.9033, 0.3340,  
0.3967

■ 11.3218, 0.2547,  
0.1381

■ 93.0782, 0.3387,  
0.3957

■ 9.4761, 0.2448,  
0.1213

■ 94.3001, 0.3433,  
0.3947

■ 8.2469, 0.2354,  
0.1094

■ 95.5694, 0.3480,  
0.3937

# Harmonies

## Analogous

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



47.7384, 0.3047, 0.3178



47.7384, 0.3107, 0.3188



47.7384, 0.3173, 0.3225

# Triad

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



47.7384, 0.3107, 0.3188



47.7384, 0.3248, 0.3382



47.7384, 0.3027, 0.3301

# Complementary

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



47.7384, 0.3107, 0.3188



50.5134, 0.3147, 0.3393

# 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.



47.7384, 0.3080, 0.3357



47.7384, 0.3107, 0.3188



47.7384, 0.3208, 0.3404

# Square

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



47.7384, 0.3107, 0.3188



47.7384, 0.3255, 0.3336



47.7384, 0.3146, 0.3395



47.7384, 0.3001, 0.3242



# Rectangle

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



47.7384, 0.3107, 0.3188



47.7384, 0.3212, 0.3260



47.7384, 0.3146, 0.3395



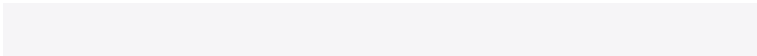
47.7384, 0.3043, 0.3321

# Sweetspot

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



47.7404, 0.3107, 0.3188



91.6394, 0.3122, 0.3266



48.3853, 0.3064, 0.3226



20.1414, 0.3123, 0.3267



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.



47.7404, 0.3107, 0.3188



85.1618, 0.3103, 0.3167



48.0761, 0.3139, 0.3201



10.1965, 0.3100, 0.3154



5.1738, 0.2313, 0.1048



0.2386, 0.2531, 0.1168

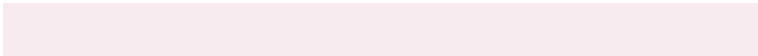


# Inverse Universe

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



47.8993, 0.3172, 0.3253



85.5083, 0.3182, 0.3245



50.1888, 0.3115, 0.3381



10.2428, 0.3188, 0.3240



7.5871, 0.5476, 0.2790

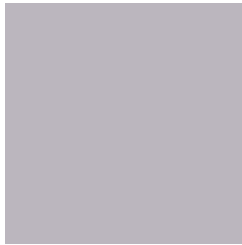


0.3099, 0.4815, 0.2426



# Previews

## White Background



This preview shows how the Yxy color 47.7384, 0.3107, 0.3188 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 47.7384, 0.3107, 0.3188 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

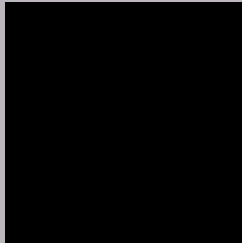
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

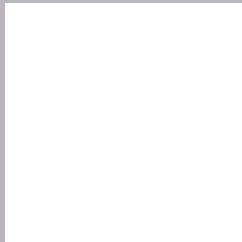
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.7384, 0.3107, 0.3188**

## Background



This preview shows how black text looks on a background with the Yxy color 47.7384, 0.3107, 0.3188.

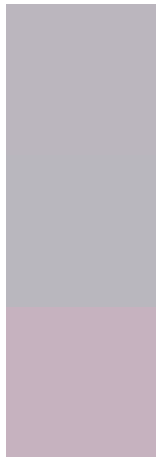


This preview shows how white text looks on a background with the Yxy color 47.7384, 0.3107, 0.3188.

# 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

47.7384, 0.3107, 0.3188

### Protanopia

47.8990, 0.3089, 0.3201

### Deuteranopia

47.6081, 0.3195, 0.3129



## Tritanopia

47.6792, 0.3076, 0.3113

# Trichromacy



## Original Color

47.7384, 0.3107, 0.3188

## Protanomaly

48.0238, 0.3098, 0.3201

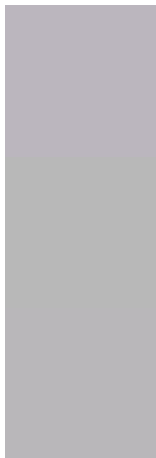
## Deuteranomaly

47.4711, 0.3160, 0.3140

## Tritanomaly

47.5894, 0.3092, 0.3138

# Monochromacy



## Original Color

47.7384, 0.3107, 0.3188

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

47.7264, 0.3121, 0.3252

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.7384, 0.3107, 0.3188 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, 182, 190)` looks like.

```
.text, #text, p{  
    color:rgb(187, 182, 190)  
}
```

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, 182, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 182, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 47.7384, 0.3107, 0.3188 is called "border". The border property can be set on classes, ids or directly on the HTML element.

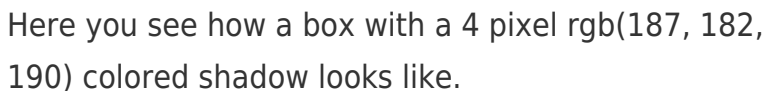
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 182, 190) }
```

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

```
.border{ border-color:rgb(187, 182, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 182, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 182, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 182, 190);  
box-shadow:4px 4px 4px 4px rgb(187, 182,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.7384, 0.3107, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 182, 190) }
```

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

```
.background{ background-color: rgb(187,  
182, 190) }
```

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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