

# Converting Colors

$Yxy(47.5691, 0.3106, 0.3201)$

Have a look what the booklet for  
Yxy(47.5691, 0.3106, 0.3201)  
contains.

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# Color

**Yxy(47.5691, 0.3106, 0.3201)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAB6BD
RGB	186, 182, 189
RGB Percent	73%, 71%, 74%
CMY	0.2707, 0.2862, 0.2589
CMYK	0.02, 0.04, 0.00, 0.26
HSL	274°, 5%, 73%
HSV	274°, 4%, 74%
XYZ	46.1573, 47.5691, 54.8806
YIQ	183.9940, 0.1370, 3.0250

# Conversions

## Conversions Part 2

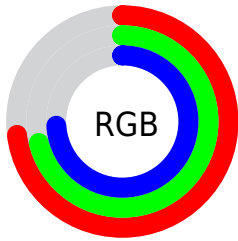
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	186, 182, 189
Decimal	12236477
CIE Lab	74.55, 2.70, -3.04
CIE LCh	75, 4.066, 311.587
Yxy	47.5691, 0.3106, 0.3201
Android (android.graphics.Color)	4290426557 (0xFFBAB6BD)
YUV	183.9940, 2.4680, 1.7593
Hunter-Lab	68.9704, -1.2398, 1.1015

# Details

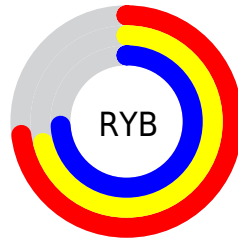
The Yxy color `47.5691, 0.3106, 0.3201` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `50.0799, 0.3148, 0.3379`, and the grayscale version is `47.9144, 0.3127, 0.3290`.

A 20% lighter version of the original color is `86.6189, 0.3111, 0.3220`, and `22.4646, 0.3098, 0.3168` is the 20% darker color. If you saturate the color by 10%, you get `39.3554, 0.3042, 0.2946`, and if you desaturate by 10%, it is `56.8895, 0.3160, 0.3436`.

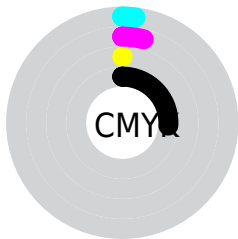
# Distribution



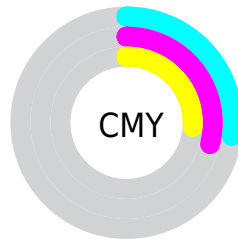
- Red (73%)
- Green (71%)
- Blue (74%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5691, 0.3106, 0.3201 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 47.5691, 0.3106, 0.3201 by changing the saturation by 10% instead.





 47.5691, 0.3106,  
0.3201

 47.5691, 0.3106,  
0.3201

377.0816, 0.3117,  
0.3245

 33.4858, 0.3103,  
0.3190


 86.5625, 0.3110,  
0.3217

 22.4988, 0.3100,  
0.3176


112.2413, 0.3111,  
0.3223

 14.2239, 0.3095,  
0.3158


142.5542, 0.3113,  
0.3228

 8.2766, 0.3089,  
0.3132

177.8854, 0.3114,  
0.3233

 4.2724, 0.3079,  
0.3094

218.6193, 0.3115,  
0.3236

 1.8271, 0.3062,  
0.3032

265.1404, 0.3115,

 0.5040, 0.3010,

0.3240

0.2784

317.8330, 0.3116,  
0.3243

0.0000, 0.0000,  
0.0000

47.5691, 0.3106,  
0.3201

47.5691, 0.3106,  
0.3201

39.3554, 0.3042,  
0.2946

56.8895, 0.3160,  
0.3436

32.1997, 0.2966,  
0.2675

67.3506, 0.3206,  
0.3650

26.0588, 0.2880,  
0.2392

78.9926, 0.3243,  
0.3844

20.8840, 0.2783,  
0.2105

90.1785, 0.3277,  
0.3993

16.6227, 0.2676,  
0.1826

91.4674, 0.3330,  
0.3981

■ 13.2168, 0.2563,  
0.1566

■ 92.8188, 0.3384,  
0.3970

■ 10.6017, 0.2448,  
0.1340

■ 94.2335, 0.3439,  
0.3957

■ 8.7027, 0.2335,  
0.1158

■ 95.7123, 0.3493,  
0.3945

■ 7.4303, 0.2228,  
0.1029

■ 96.4532, 0.3520,  
0.3939

# Harmonies

## Analogous

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



47.5691, 0.3055, 0.3194



47.5691, 0.3106, 0.3201



47.5691, 0.3163, 0.3231

# Triad

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



47.5691, 0.3106, 0.3201



47.5691, 0.3232, 0.3367



47.5691, 0.3044, 0.3303

# Complementary

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



47.5691, 0.3106, 0.3201



50.0799, 0.3148, 0.3379

# 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.



47.5691, 0.3091, 0.3350



47.5691, 0.3106, 0.3201



47.5691, 0.3199, 0.3387

# Square

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



47.5691, 0.3106, 0.3201



47.5691, 0.3236, 0.3326



47.5691, 0.3148, 0.3381



47.5691, 0.3020, 0.3252



# Rectangle

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



47.5691, 0.3106, 0.3201



47.5691, 0.3197, 0.3261



47.5691, 0.3148, 0.3381



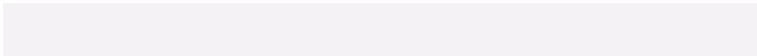
47.5691, 0.3058, 0.3320

# Sweetspot

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



47.5711, 0.3106, 0.3201



89.4821, 0.3121, 0.3266



48.3311, 0.3072, 0.3239



19.2610, 0.3122, 0.3267



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.



47.5711, 0.3106, 0.3201



84.6295, 0.3104, 0.3192



47.9305, 0.3135, 0.3208



10.3567, 0.3100, 0.3177



4.6483, 0.2176, 0.0973



0.2200, 0.2421, 0.1107

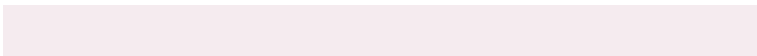


# Inverse Universe

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



47.7806, 0.3163, 0.3252



85.0429, 0.3167, 0.3248



49.7301, 0.3119, 0.3374



10.4155, 0.3173, 0.3242



7.6972, 0.5225, 0.2652

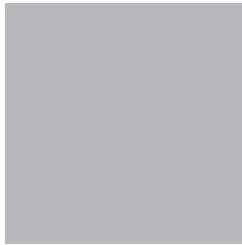


0.3146, 0.4624, 0.2321



# Previews

## White Background



This preview shows how the Yxy color 47.5691, 0.3106, 0.3201 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

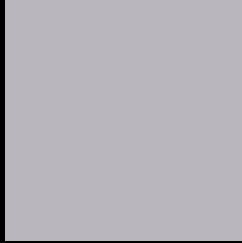
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.5691, 0.3106, 0.3201 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

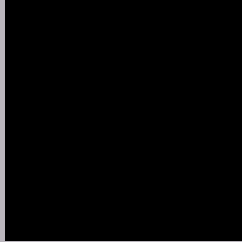
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.5691, 0.3106, 0.3201**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.5691, 0.3106, 0.3201.

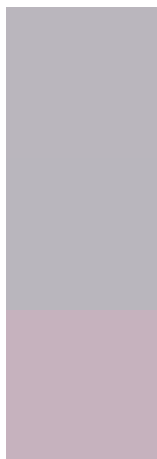


This preview shows how white text looks on a background with the Yxy color 47.5691, 0.3106, 0.3201.

# 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

47.5691, 0.3106, 0.3201

### Protanopia

47.4443, 0.3098, 0.3200

### Deuteranopia

47.5643, 0.3204, 0.3141



## Tritanopia

47.5527, 0.3068, 0.3113

# Trichromacy



## Original Color

47.5691, 0.3106, 0.3201

## Protanomaly

47.4443, 0.3098, 0.3200

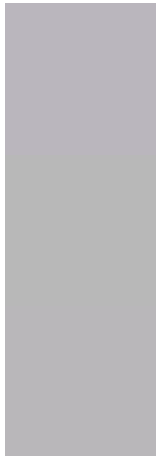
## Deuteranomaly

47.4272, 0.3168, 0.3152

## Tritanomaly

47.4628, 0.3084, 0.3138

# Monochromacy



## Original Color

47.5691, 0.3106, 0.3201

## 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 47.5691, 0.3106, 0.3201 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(186, 182, 189)` looks like.

```
.text, #text, p{  
    color:rgb(186, 182, 189)  
}
```

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(186, 182, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 182, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 47.5691, 0.3106, 0.3201 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(186, 182, 189) }
```

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

```
.border{ border-color:rgb(186, 182, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 182, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 182, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 182, 189);  
box-shadow:4px 4px 4px 4px rgb(186, 182,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.5691, 0.3106, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 182, 189) }
```

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

```
.background{ background-color: rgb(186,  
182, 189) }
```

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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