

# Converting Colors

Yxy(50.8498, 0.3073, 0.3132)

Have a look what the booklet for  
Yxy(50.8498, 0.3073, 0.3132)  
contains.

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# Color

**Yxy(50.9172, 0.3069, 0.3130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0BBC8
RGB	192, 187, 200
RGB Percent	75%, 73%, 78%
CMY	0.2472, 0.2666, 0.2157
CMYK	0.04, 0.06, 0.00, 0.22
HSL	263°, 11%, 76%
HSV	263°, 6%, 78%
XYZ	49.9249, 50.9172, 61.8327
YIQ	189.9770, -1.1930, 5.1030

# Conversions

## Conversions Part 2

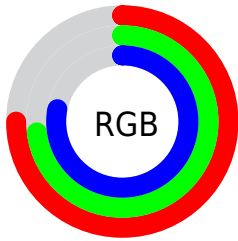
Format	Color
R <sub>Y</sub> B	192, 187, 200
Decimal	12630984
CIE Lab	76.63, 4.16, -5.92
CIE LCh	77, 7.234, 305.131
Yxy	50.9172, 0.3069, 0.3130
Android (android.graphics.Color)	4290821064 (0xFFC0BBC8)
YUV	189.9770, 4.9413, 1.7742
Hunter-Lab	71.3563, 0.0152, -1.4274

# Details

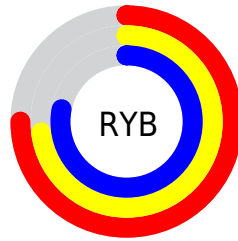
The Yxy color  $50.9172, 0.3069, 0.3130$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $56.5005, 0.3183, 0.3449$ , and the grayscale version is  $51.4480, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $91.2776, 0.3088, 0.3173$ , and  $24.6145, 0.3059, 0.3091$  is the 20% darker color. If you saturate the color by 10%, you get  $41.4672, 0.2967, 0.2863$ , and if you desaturate by 10%, it is  $61.6892, 0.3156, 0.3372$ .

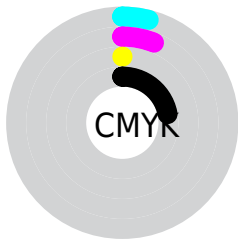
# Distribution



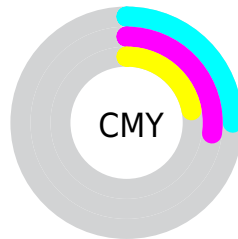
- Red (75%)
- Green (73%)
- Blue (78%)



- Red (75%)
- Yellow (73%)
- Blue (78%)



- Cyan (4%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)



- Cyan (25%)
- Magenta (27%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9172, 0.3069, 0.3130 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 50.9172, 0.3069, 0.3130 by changing the saturation by 10% instead.



■ 50.9172, 0.3069,  
0.3130

■ 50.9172, 0.3069,  
0.3130

390.2420, 0.3098,  
0.3208

■ 36.1427, 0.3062,  
0.3111

■ 91.5324, 0.3079,  
0.3158

■ 24.5444, 0.3053,  
0.3087

118.1418, 0.3083,  
0.3169

■ 15.7380, 0.3040,  
0.3055

149.4651, 0.3087,  
0.3178

■ 9.3389, 0.3024,  
0.3012

185.8865, 0.3090,  
0.3185

■ 4.9629, 0.2999,  
0.2950

227.7906, 0.3092,  
0.3192

■ 2.2255, 0.2958,  
0.2851

275.5615, 0.3094,

■ 0.7339, 0.2887,

0.3198

0.2652

329.5839, 0.3096,  
0.3204

0.0000, 0.0000,  
0.0000

50.9172, 0.3069,  
0.3130

50.9172, 0.3069,  
0.3130

41.4672, 0.2967,  
0.2863

61.6892, 0.3156,  
0.3372

33.2808, 0.2850,  
0.2575

73.8255, 0.3230,  
0.3590

26.3048, 0.2719,  
0.2270

87.3749, 0.3293,  
0.3784

20.4796, 0.2574,  
0.1959

94.4749, 0.3364,  
0.3846

15.7405, 0.2420,  
0.1653

96.7339, 0.3446,  
0.3832

■ 12.0161, 0.2262,  
0.1369

■ 96.9496, 0.3454,  
0.3830

■ 9.2262, 0.2109,  
0.1125

■ 7.2778, 0.1969,  
0.0935

■ 6.0513, 0.1848,  
0.0807

# Harmonies

## Analogous

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



50.9172, 0.2987, 0.3127



50.9172, 0.3069, 0.3130



50.9172, 0.3168, 0.3174

# Triad

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



50.9172, 0.3069, 0.3130



50.9172, 0.3316, 0.3410



50.9172, 0.2998, 0.3331

# Complementary

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



50.9172, 0.3069, 0.3130



56.5005, 0.3183, 0.3449

# 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.



50.9172, 0.3084, 0.3410



50.9172, 0.3069, 0.3130



50.9172, 0.3268, 0.3456

# Square

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



50.9172, 0.3069, 0.3130



50.9172, 0.3312, 0.3334



50.9172, 0.3183, 0.3456



50.9172, 0.2946, 0.3241



# Rectangle

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



50.9172, 0.3069, 0.3130



50.9172, 0.3231, 0.3221



50.9172, 0.3183, 0.3456



50.9172, 0.3024, 0.3360

# Sweetspot

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



50.9194, 0.3069, 0.3130



96.1952, 0.3110, 0.3241



53.8715, 0.3028, 0.3231



20.6296, 0.3110, 0.3244



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



50.9194, 0.3069, 0.3130



85.3510, 0.3053, 0.3088



51.7592, 0.3120, 0.3133



10.4811, 0.3041, 0.3055



3.6813, 0.1823, 0.0778



0.2158, 0.2066, 0.0912



# Inverse Universe

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



51.7686, 0.3173, 0.3193



87.1774, 0.3185, 0.3168



55.6787, 0.3133, 0.3451



10.7455, 0.3195, 0.3148



8.7477, 0.4449, 0.2224

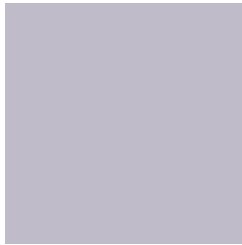


0.4280, 0.4125, 0.2046



# Previews

## White Background



This preview shows how the Yxy color 50.9172, 0.3069, 0.3130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

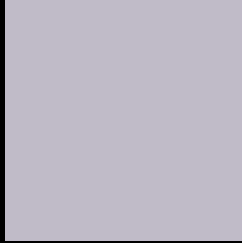
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.9172, 0.3069, 0.3130 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

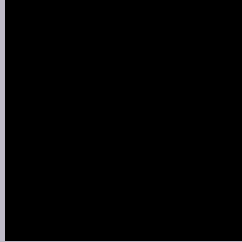
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

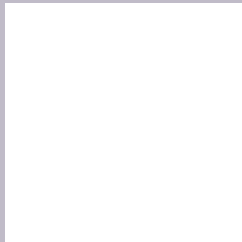
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.9172, 0.3069, 0.3130**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.9172, 0.3069, 0.3130.

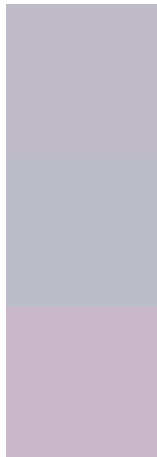


This preview shows how white text looks on a background with the Yxy color 50.9172, 0.3069, 0.3130.

# 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

50.9172, 0.3069, 0.3130

### Protanopia

51.0023, 0.3037, 0.3129

### Deuteranopia

51.0546, 0.3145, 0.3086



## Tritanopia

51.0114, 0.3054, 0.3106

# Trichromacy



## Original Color

50.9172, 0.3069, 0.3130

## Protanomaly

51.1306, 0.3045, 0.3129

## Deuteranomaly

50.9207, 0.3111, 0.3096

## Tritanomaly

50.9642, 0.3062, 0.3118

# Monochromacy



## Original Color

50.9172, 0.3069, 0.3130

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

51.3666, 0.3106, 0.3228

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.9172, 0.3069, 0.3130 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(192, 187, 200)` looks like.

```
.text, #text, p{  
    color:rgb(192, 187, 200)  
}
```

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(192, 187, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 187, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 50.9172, 0.3069, 0.3130 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(192, 187, 200) }
```

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

```
.border{ border-color:rgb(192, 187, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 187, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 187, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 187, 200);  
box-shadow:4px 4px 4px 4px rgb(192, 187,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.9172, 0.3069, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 187, 200) }
```

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

```
.background{ background-color: rgb(192,  
187, 200) }
```

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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