

# Converting Colors

$Yxy(51.2509, 0.3151, 0.3176)$

Have a look what the booklet for  
Yxy(51.2509, 0.3151, 0.3176)  
contains.

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# Color

**Yxy(51.1091, 0.3149, 0.3168)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6BAC4
RGB	198, 186, 196
RGB Percent	78%, 73%, 77%
CMY	0.2237, 0.2705, 0.2313
CMYK	0.00, 0.06, 0.01, 0.22
HSL	310°, 9%, 75%
HSV	310°, 6%, 78%
XYZ	50.8026, 51.1091, 59.4176
YIQ	190.7280, 3.9420, 5.6540

# Conversions

## Conversions Part 2

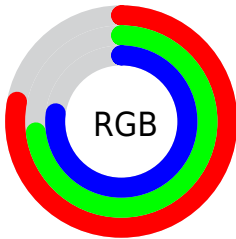
Format	Color
R <sub>Y</sub> B	198, 186, 196
Decimal	13023940
CIE Lab	76.75, 6.01, -3.53
CIE LCh	77, 6.972, 329.575
Yxy	51.1091, 0.3149, 0.3168
Android (android.graphics.Color)	4291214020 (0xFFC6BAC4)
YUV	190.7280, 2.5991, 6.3775
Hunter-Lab	71.4906, 1.7368, 0.7661

# Details

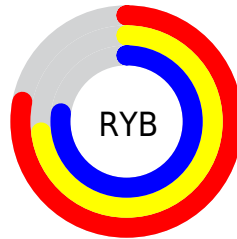
The Yxy color  $51.1091, 0.3149, 0.3168$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $54.4368, 0.3106, 0.3415$ , and the grayscale version is  $51.9157, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $91.8561, 0.3145, 0.3184$ , and  $24.6573, 0.3157, 0.3142$  is the 20% darker color. If you saturate the color by 10%, you get  $43.1942, 0.3190, 0.2959$ , and if you desaturate by 10%, it is  $60.1870, 0.3114, 0.3368$ .

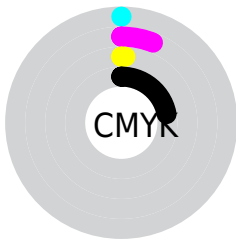
# Distribution



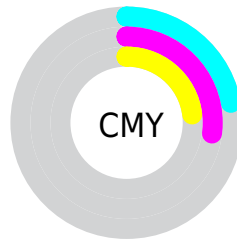
- Red (78%)
- Green (73%)
- Blue (77%)



- Red (78%)
- Yellow (73%)
- Blue (77%)



- Cyan (0%)
- Magenta (6%)
- Yellow (1%)
- Black (22%)




- Cyan (22%)
- Magenta (27%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1091, 0.3149, 0.3168 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 51.1091, 0.3149, 0.3168 by changing the saturation by 10% instead.




 51.1091, 0.3149,  
0.3168

 51.1091, 0.3149,  
0.3168

390.9875, 0.3139,  
0.3228

 36.2954, 0.3151,  
0.3154


 91.8160, 0.3145,  
0.3189

 24.6625, 0.3155,  
0.3135


118.4781, 0.3144,  
0.3197

 15.8258, 0.3159,  
0.3111


149.8584, 0.3143,  
0.3204

 9.4009, 0.3164,  
0.3078

186.3413, 0.3142,  
0.3210

 5.0036, 0.3172,  
0.3031

228.3113, 0.3141,  
0.3215

 2.2494, 0.3184,  
0.2956

276.1528, 0.3140,

 0.7467, 0.3213,

0.3220

0.2800

330.2500, 0.3139,  
0.3224

0.0000, 0.0000,  
0.0000

51.1091, 0.3149,  
0.3168

51.1091, 0.3149,  
0.3168

43.1942, 0.3190,  
0.2959

60.1870, 0.3114,  
0.3368

36.3885, 0.3236,  
0.2747

70.4657, 0.3084,  
0.3557

30.6437, 0.3287,  
0.2536

81.9898, 0.3058,  
0.3733

25.9053, 0.3343,  
0.2336

88.1173, 0.3038,  
0.3795

22.1143, 0.3404,  
0.2156

88.2784, 0.3020,  
0.3759

■ 19.2050, 0.3466,  
0.2005

■ 88.4427, 0.3003,  
0.3722

■ 17.1040, 0.3529,  
0.1892

■ 88.6102, 0.2985,  
0.3686

■ 15.7252, 0.3590,  
0.1823

■ 88.7810, 0.2968,  
0.3650

■ 14.9609, 0.3648,  
0.1799

■ 88.9551, 0.2950,  
0.3614

# Harmonies

## Analogous

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



51.1091, 0.3055, 0.3132



51.1091, 0.3149, 0.3168



51.1091, 0.3239, 0.3235

# Triad

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



51.1091, 0.3149, 0.3168



51.1091, 0.3275, 0.3444



51.1091, 0.2959, 0.3259

# Complementary

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



51.1091, 0.3149, 0.3168



54.4368, 0.3106, 0.3415

# 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.



51.1091, 0.3016, 0.3345



51.1091, 0.3149, 0.3168



51.1091, 0.3198, 0.3453

# Square

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



51.1091, 0.3149, 0.3168



51.1091, 0.3312, 0.3394



51.1091, 0.3103, 0.3417



51.1091, 0.2946, 0.3183



# Rectangle

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



51.1091, 0.3149, 0.3168



51.1091, 0.3283, 0.3290



51.1091, 0.3103, 0.3417



51.1091, 0.2973, 0.3288

# Sweetspot

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



51.1113, 0.3149, 0.3168



96.7358, 0.3134, 0.3249



49.8683, 0.3051, 0.3141



20.7396, 0.3134, 0.3251



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.



51.1113, 0.3149, 0.3168



88.9496, 0.3153, 0.3146



50.8516, 0.3194, 0.3239



11.1298, 0.3155, 0.3138



9.6038, 0.3664, 0.1792



0.4629, 0.3554, 0.1731



# Inverse Universe

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



51.1113, 0.3149, 0.3168



88.9496, 0.3153, 0.3146



54.6926, 0.3064, 0.3342



11.1298, 0.3155, 0.3138



9.6038, 0.3664, 0.1792

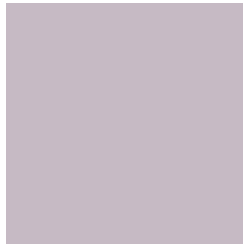


0.4629, 0.3554, 0.1731



# Previews

## White Background



This preview shows how the Yxy color 51.1091, 0.3149, 0.3168 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

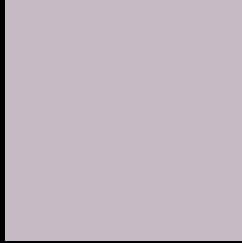
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.1091, 0.3149, 0.3168 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 51.1091, 0.3149, 0.3168**

## Background



This preview shows how black text looks on a background with the Yxy color 51.1091, 0.3149, 0.3168.



This preview shows how white text looks on a background with the Yxy color 51.1091, 0.3149, 0.3168.

# 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

51.1091, 0.3149, 0.3168

### Protanopia

50.9448, 0.3075, 0.3178

### Deuteranopia

51.2456, 0.3210, 0.3146



## Tritanopia

51.0102, 0.3127, 0.3108

# Trichromacy



## Original Color

51.1091, 0.3149, 0.3168

## Protanomaly

50.9093, 0.3100, 0.3167

## Deuteranomaly

51.2400, 0.3184, 0.3157

## Tritanomaly

50.9636, 0.3135, 0.3120

# Monochromacy



## Original Color

51.1091, 0.3149, 0.3168

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

51.7148, 0.3138, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.1091, 0.3149, 0.3168 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(198, 186, 196)` looks like.

```
.text, #text, p{  
    color:rgb(198, 186, 196)  
}
```

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(198, 186, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 186, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 51.1091, 0.3149, 0.3168 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(198, 186, 196) }
```

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

```
.border{ border-color:rgb(198, 186, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 186, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 186, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 186, 196);  
box-shadow:4px 4px 4px 4px rgb(198, 186,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.1091, 0.3149, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 186, 196) }
```

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

```
.background{ background-color: rgb(198,  
186, 196) }
```

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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