

# Converting Colors

Yxy(51.9512, 0.3151, 0.3153)

Have a look what the booklet for  
Yxy(51.9512, 0.3151, 0.3153)  
contains.

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# Color

**Yxy(51.8972, 0.3150, 0.3157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8BBC6
RGB	200, 187, 198
RGB Percent	78%, 73%, 78%
CMY	0.2157, 0.2666, 0.2236
CMYK	0.00, 0.06, 0.01, 0.22
HSL	309°, 11%, 76%
HSV	309°, 6%, 78%
XYZ	51.7821, 51.8972, 60.7084
YIQ	192.1410, 4.2170, 6.1770

# Conversions

## Conversions Part 2

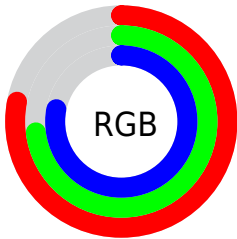
Format	Color
R <sub>Y</sub> B	200, 187, 198
Decimal	13155270
CIE Lab	77.22, 6.56, -3.89
CIE LCh	77, 7.625, 329.342
Yxy	51.8972, 0.3150, 0.3157
Android (android.graphics.Color)	4291345350 (0xFFC8BBC6)
YUV	192.1410, 2.8885, 6.8923
Hunter-Lab	72.0397, 2.2363, 0.4637

# Details

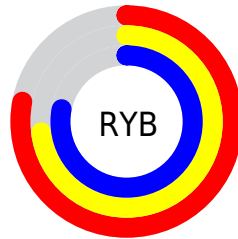
The Yxy color  $51.8972, 0.3150, 0.3157$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $55.5499, 0.3105, 0.3427$ , and the grayscale version is  $52.7809, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $92.5812, 0.3133, 0.3175$ , and  $25.1748, 0.3157, 0.3128$  is the 20% darker color. If you saturate the color by 10%, you get  $43.8545, 0.3189, 0.2946$ , and if you desaturate by 10%, it is  $61.1291, 0.3116, 0.3360$ .

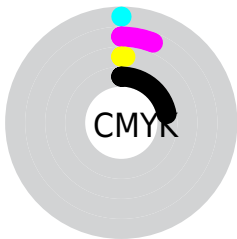
# Distribution



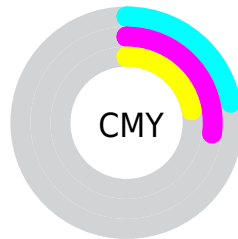
- Red (78%)
- Green (73%)
- Blue (78%)



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



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8972, 0.3150, 0.3157 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 51.8972, 0.3150, 0.3157 by changing the saturation by 10% instead.





 51.8972, 0.3150,  
0.3157

 51.8972, 0.3150,  
0.3157


394.0396, 0.3139,  
0.3222

 36.9231, 0.3153,  
0.3141


 92.9796, 0.3146,  
0.3180

 25.1480, 0.3156,  
0.3122


119.8568, 0.3145,  
0.3189

 16.1873, 0.3160,  
0.3096


151.4704, 0.3143,  
0.3196

 9.6568, 0.3166,  
0.3060

188.2049, 0.3142,  
0.3203

 5.1720, 0.3173,  
0.3010

230.4447, 0.3141,  
0.3209

 2.3485, 0.3185,  
0.2930

278.5741, 0.3141,

 0.7992, 0.3208,

0.3213

0.2780

332.9776, 0.3140,  
0.3218

0.0000, 0.0000,  
0.0000

51.8972, 0.3150,  
0.3157

51.8972, 0.3150,  
0.3157

43.8545, 0.3189,  
0.2946

61.1291, 0.3116,  
0.3360

36.9457, 0.3234,  
0.2731

71.5893, 0.3086,  
0.3551

31.1212, 0.3284,  
0.2519

83.3233, 0.3061,  
0.3730

26.3249, 0.3338,  
0.2318

88.4711, 0.3042,  
0.3777

22.4958, 0.3395,  
0.2138

88.6272, 0.3025,  
0.3742

■ 19.5665, 0.3455,  
0.1988

■ 88.7863, 0.3008,  
0.3707

■ 17.4609, 0.3514,  
0.1876

■ 88.9484, 0.2991,  
0.3672

■ 16.0902, 0.3572,  
0.1809

■ 89.1135, 0.2974,  
0.3638

■ 15.3396, 0.3627,  
0.1785

■ 89.2817, 0.2958,  
0.3603

# Harmonies

## Analogous

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



51.8972, 0.3047, 0.3118



51.8972, 0.3150, 0.3157



51.8972, 0.3248, 0.3230

# Triad

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



51.8972, 0.3150, 0.3157



51.8972, 0.3288, 0.3458



51.8972, 0.2944, 0.3257

# Complementary

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



51.8972, 0.3150, 0.3157



55.5499, 0.3105, 0.3427

# 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.



51.8972, 0.3007, 0.3351



51.8972, 0.3150, 0.3157



51.8972, 0.3205, 0.3468

# Square

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



51.8972, 0.3150, 0.3157



51.8972, 0.3329, 0.3402



51.8972, 0.3102, 0.3429



51.8972, 0.2930, 0.3174



# Rectangle

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



51.8972, 0.3150, 0.3157



51.8972, 0.3297, 0.3289



51.8972, 0.3102, 0.3429



51.8972, 0.2960, 0.3288

# Sweetspot

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



51.8994, 0.3150, 0.3157



96.7384, 0.3134, 0.3249



50.5262, 0.3045, 0.3128



20.7401, 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.



51.8994, 0.3150, 0.3157



87.4663, 0.3156, 0.3123



51.6086, 0.3200, 0.3235



10.7873, 0.3161, 0.3097



9.6413, 0.3639, 0.1778



0.4643, 0.3535, 0.1721



# Inverse Universe

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



51.8994, 0.3150, 0.3157



87.4663, 0.3156, 0.3123



55.8358, 0.3059, 0.3346



10.7873, 0.3161, 0.3097



9.6413, 0.3639, 0.1778

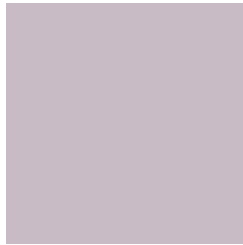


0.4643, 0.3535, 0.1721



# Previews

## White Background



This preview shows how the Yxy color 51.8972, 0.3150, 0.3157 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 51.8972, 0.3150, 0.3157 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

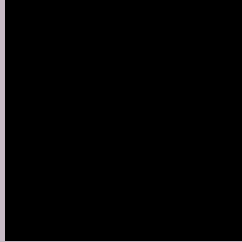
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

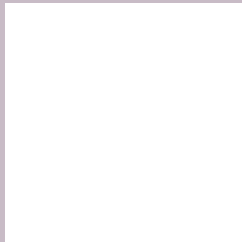
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.8972, 0.3150, 0.3157**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.8972, 0.3150, 0.3157.



This preview shows how white text looks on a background with the Yxy color 51.8972, 0.3150, 0.3157.

# 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

51.8972, 0.3150, 0.3157

### Protanopia

52.2035, 0.3068, 0.3167

### Deuteranopia

51.8970, 0.3201, 0.3135



## Tritanopia

51.6142, 0.3127, 0.3109

# Trichromacy



## Original Color

51.8972, 0.3150, 0.3157

## Protanomaly

52.1208, 0.3100, 0.3168

## Deuteranomaly

52.0324, 0.3184, 0.3146

## Tritanomaly

51.5673, 0.3135, 0.3121

# Monochromacy



## Original Color

51.8972, 0.3150, 0.3157

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

52.3241, 0.3138, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.8972, 0.3150, 0.3157 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(200, 187, 198)` looks like.

```
.text, #text, p{  
    color:rgb(200, 187, 198)  
}
```

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(200, 187, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 187, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 51.8972, 0.3150, 0.3157 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(200, 187, 198) }
```

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

```
.border{ border-color:rgb(200, 187, 198) }
```

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

Here you see how a box with a 4 pixel rgb(200, 187, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 187, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 187, 198);  
box-shadow:4px 4px 4px 4px rgb(200, 187,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.8972, 0.3150, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 187, 198) }
```

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

```
.background{ background-color: rgb(200,  
187, 198) }
```

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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