

# Converting Colors

Yxy(51.3142, 0.3115, 0.3153)

Have a look what the booklet for  
Yxy(51.3142, 0.3115, 0.3153)  
contains.

<b>Yxy(51.3536, 0.3117, 0.3155)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(51.3536, 0.3117, 0.3155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4BBC6
RGB	196, 187, 198
RGB Percent	77%, 73%, 78%
CMY	0.2313, 0.2667, 0.2234
CMYK	0.01, 0.06, 0.00, 0.22
HSL	289°, 9%, 75%
HSV	289°, 6%, 78%
XYZ	50.7351, 51.3536, 60.6803
YIQ	190.9450, 1.8330, 5.3290

# Conversions

## Conversions Part 2

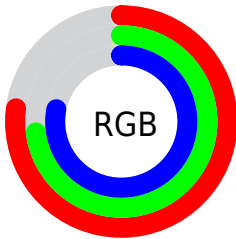
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 187, 198
Decimal	12893126
CIE <sub>Lab</sub>	76.89, 5.20, -4.43
CIE <sub>LCh</sub>	77, 6.826, 319.576
Yxy	51.3536, 0.3117, 0.3155
Android (android.graphics.Color)	4291083206 (0xFFC4BBC6)
YUV	190.9450, 3.4781, 4.4332
Hunter-Lab	71.6614, 0.9675, -0.0416

# Details

The Yxy color **51.3536, 0.3117, 0.3155** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.8071, 0.3137, 0.3427**, and the grayscale version is **52.0490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2038, 0.3120, 0.3175**, and **24.8146, 0.3113, 0.3125** is the 20% darker color. If you saturate the color by 10%, you get **43.0486, 0.3095, 0.2903**, and if you desaturate by 10%, it is **60.8332, 0.3134, 0.3394**.

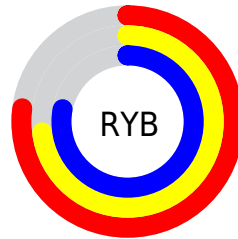
# Distribution



Red (77%)

Green (73%)

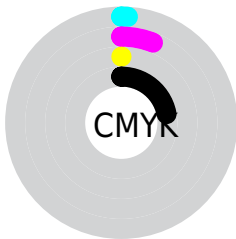
Blue (78%)



Red (77%)

Yellow (73%)

Blue (78%)

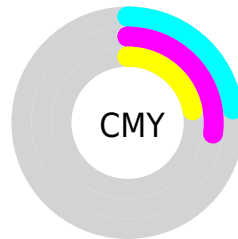


Cyan (1%)

Magenta (6%)

Yellow (0%)

Black (22%)



Cyan (23%)

Magenta (27%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3536, 0.3117, 0.3155 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 51.3536, 0.3117, 0.3155 by changing the saturation by 10% instead.





 51.3536, 0.3117,  
0.3155

 51.3536, 0.3117,  
0.3155

391.9360, 0.3122,  
0.3221

 36.4901, 0.3116,  
0.3139

 92.1772, 0.3119,  
0.3179

 24.8129, 0.3114,  
0.3119


118.9062, 0.3120,  
0.3188

 15.9377, 0.3111,  
0.3092


150.3590, 0.3120,  
0.3195

 9.4801, 0.3108,  
0.3056

186.9202, 0.3121,  
0.3202

 5.0556, 0.3103,  
0.3004

228.9741, 0.3121,  
0.3207

 2.2799, 0.3093,  
0.2921

276.9051, 0.3122,

 0.7631, 0.3080,

0.3212

0.2758

331.0976, 0.3122,  
0.3217

0.0000, 0.0000,  
0.0000

51.3536, 0.3117,  
0.3155

51.3536, 0.3117,  
0.3155

43.0486, 0.3095,  
0.2903

60.8332, 0.3134,  
0.3394

35.8643, 0.3069,  
0.2643

71.5252, 0.3148,  
0.3617

29.7525, 0.3037,  
0.2383

83.4740, 0.3158,  
0.3823

24.6590, 0.3001,  
0.2130

89.3605, 0.3174,  
0.3904

20.5246, 0.2960,  
0.1895

89.8957, 0.3197,  
0.3900

■ 17.2840, 0.2915,  
0.1689

■ 90.4429, 0.3220,  
0.3896

■ 14.8640, 0.2868,  
0.1521

■ 91.0021, 0.3243,  
0.3891

■ 13.1792, 0.2820,  
0.1396

■ 91.5734, 0.3266,  
0.3887

■ 12.1246, 0.2772,  
0.1317

■ 92.1569, 0.3290,  
0.3883

# Harmonies

## Analogous

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



51.3536, 0.3029, 0.3133



51.3536, 0.3117, 0.3155



51.3536, 0.3209, 0.3212

# Triad

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



51.3536, 0.3117, 0.3155



51.3536, 0.3289, 0.3428



51.3536, 0.2977, 0.3288

# Complementary

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



51.3536, 0.3117, 0.3155



54.8071, 0.3137, 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.



51.3536, 0.3045, 0.3370



51.3536, 0.3117, 0.3155



51.3536, 0.3225, 0.3452

# Square

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



51.3536, 0.3117, 0.3155



51.3536, 0.3309, 0.3369



51.3536, 0.3135, 0.3431



51.3536, 0.2949, 0.3208



# Rectangle

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



51.3536, 0.3117, 0.3155



51.3536, 0.3260, 0.3263



51.3536, 0.3135, 0.3431



51.3536, 0.2996, 0.3316

# Sweetspot

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



51.3558, 0.3117, 0.3155



96.6138, 0.3124, 0.3241



51.0453, 0.3043, 0.3177



20.7148, 0.3124, 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.



51.3558, 0.3117, 0.3155



88.5256, 0.3114, 0.3117



51.4670, 0.3160, 0.3198



11.0733, 0.3113, 0.3107



7.6837, 0.2758, 0.1293



0.3899, 0.2857, 0.1348



# Inverse Universe

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



51.2219, 0.3204, 0.3266



88.2299, 0.3226, 0.3259



54.7040, 0.3095, 0.3384



11.0342, 0.3232, 0.3257



7.8996, 0.6103, 0.3136



0.3839, 0.5546, 0.2829



# Previews

## White Background



This preview shows how the Yxy color 51.3536, 0.3117, 0.3155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

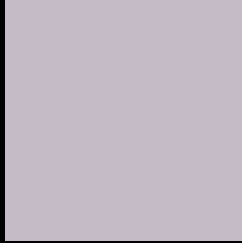
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.3536, 0.3117, 0.3155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

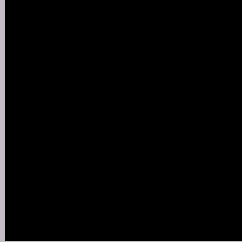
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

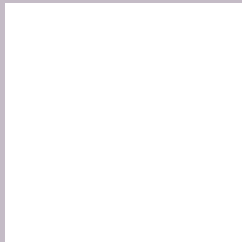
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.3536, 0.3117, 0.3155**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.3536, 0.3117, 0.3155.

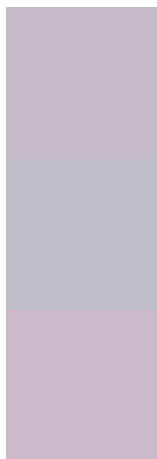


This preview shows how white text looks on a background with the Yxy color 51.3536, 0.3117, 0.3155.

# 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

51.3536, 0.3117, 0.3155

### Protanopia

51.4659, 0.3060, 0.3166

### Deuteranopia

51.2419, 0.3177, 0.3110



## Tritanopia

51.2052, 0.3103, 0.3107

# Trichromacy



## Original Color

51.3536, 0.3117, 0.3155

## Protanomaly

51.2964, 0.3076, 0.3154

## Deuteranomaly

51.2390, 0.3152, 0.3121

## Tritanomaly

51.1583, 0.3110, 0.3119

# Monochromacy



## Original Color

51.3536, 0.3117, 0.3155

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

52.0594, 0.3121, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.3536, 0.3117, 0.3155 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(196, 187, 198)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 187, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 187, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 51.3536, 0.3117, 0.3155 is called "border". The border property can be set on classes, ids or directly on the HTML element.

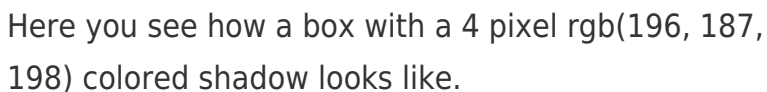
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 187, 198) }
```

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

```
.border{ border-color:rgb(196, 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(196, 187, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 187, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 187, 198); box-shadow:4px 4px 4px 4px rgb(196, 187, 198) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.3536, 0.3117, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 187, 198) }
```

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

```
.background{ background-color: rgb(196,  
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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