

# Converting Colors

Yxy(51.4638, 0.3129, 0.3358)

Have a look what the booklet for  
Yxy(51.4638, 0.3129, 0.3358)  
contains.

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# Color

**Yxy(51.3716, 0.3132, 0.3353)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBBFBA
RGB	187, 191, 186
RGB Percent	73%, 75%, 73%
CMY	0.2667, 0.2509, 0.2705
CMYK	0.02, 0.00, 0.03, 0.25
HSL	108°, 4%, 74%
HSV	108°, 3%, 75%
XYZ	47.9856, 51.3716, 53.8536
YIQ	189.2340, -0.7790, -2.4030

# Conversions

## Conversions Part 2

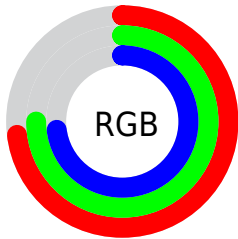
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 191, 190
Decimal	12304314
CIELab	76.90, -2.31, 2.01
CIELCh	77, 3.066, 138.993
Yxy	51.3716, 0.3132, 0.3353
Android (android.graphics.Color)	4290494394 (0xFFBBBFBA)
YUV	189.2340, -1.5944, -1.9592
Hunter-Lab	71.6740, -5.9240, 5.6231

# Details

The Yxy color **51.3716, 0.3132, 0.3353** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.8435, 0.3122, 0.3227**, and the grayscale version is **51.0398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9870, 0.3131, 0.3340**, and **24.9387, 0.3134, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **48.7722, 0.3150, 0.3613**, and if you desaturate by 10%, it is **54.2931, 0.3113, 0.3122**.

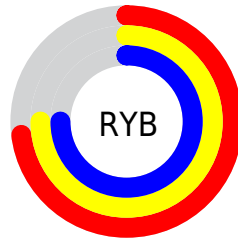
# Distribution



Red (73%)

Green (75%)

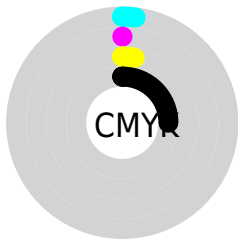
Blue (73%)



Red (73%)

Yellow (75%)

Blue (75%)

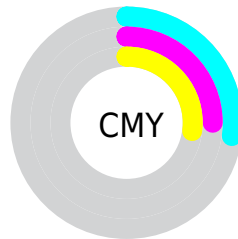


Cyan (2%)

Magenta (0%)

Yellow (3%)

Black (25%)



Cyan (27%)

Magenta (25%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3716, 0.3132, 0.3353 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 51.3716, 0.3132, 0.3353 by changing the saturation by 10% instead.



■ 51.3716, 0.3132,  
0.3353

■ 51.3716, 0.3132,  
0.3353

392.0058, 0.3130,  
0.3322

■ 36.5044, 0.3133,  
0.3361

■ 92.2038, 0.3131,  
0.3342

■ 24.8240, 0.3133,  
0.3370

118.9377, 0.3131,  
0.3338

■ 15.9460, 0.3134,  
0.3383

150.3959, 0.3131,  
0.3334

■ 9.4859, 0.3135,  
0.3401

186.9628, 0.3130,  
0.3331

■ 5.0595, 0.3137,  
0.3427

229.0229, 0.3130,  
0.3328

■ 2.2822, 0.3139,  
0.3470

276.9604, 0.3130,

■ 0.7643, 0.3152,

0.3326

0.3595

331.1600, 0.3130,  
0.3324

0.0000, 0.0000,  
0.0000

51.3716, 0.3132,  
0.3353

51.3716, 0.3132,  
0.3353

48.7722, 0.3150,  
0.3613

54.2931, 0.3113,  
0.3122

46.4775, 0.3165,  
0.3902

57.5405, 0.3094,  
0.2919

44.4782, 0.3177,  
0.4217

61.1258, 0.3075,  
0.2742

42.7621, 0.3183,  
0.4549

64.5707, 0.3109,  
0.2654

41.3161, 0.3182,  
0.4885

65.7451, 0.3157,  
0.2663

■ 40.1262, 0.3172,  
0.5207

■ 39.1767, 0.3152,  
0.5493

■ 38.4506, 0.3123,  
0.5721

■ 37.9281, 0.3088,  
0.5875

# Harmonies

## Analogous

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



51.3716, 0.3172, 0.3362



51.3716, 0.3132, 0.3353



51.3716, 0.3091, 0.3327

# Triad

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



51.3716, 0.3132, 0.3353



51.3716, 0.3055, 0.3228



51.3716, 0.3195, 0.3290

# Complementary

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



51.3716, 0.3132, 0.3353



49.8435, 0.3122, 0.3227

# 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.



51.3716, 0.3163, 0.3254



51.3716, 0.3132, 0.3353



51.3716, 0.3082, 0.3219

# Square

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



51.3716, 0.3132, 0.3353



51.3716, 0.3047, 0.3254



51.3716, 0.3122, 0.3228



51.3716, 0.3209, 0.3325



# Rectangle

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



51.3716, 0.3132, 0.3353



51.3716, 0.3069, 0.3303



51.3716, 0.3122, 0.3228



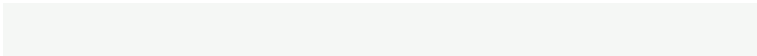
51.3716, 0.3186, 0.3277

# Sweetspot

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



51.3738, 0.3132, 0.3353



92.7966, 0.3129, 0.3314



51.4554, 0.3166, 0.3340



20.3829, 0.3129, 0.3313



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



51.3738, 0.3132, 0.3353



91.7862, 0.3133, 0.3364



51.3174, 0.3113, 0.3334



11.0553, 0.3134, 0.3381



24.7696, 0.3070, 0.5945



0.9971, 0.3228, 0.5819



# Inverse Universe

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



49.8435, 0.3122, 0.3227



88.5948, 0.3121, 0.3217



49.9018, 0.3142, 0.3246



10.5842, 0.3120, 0.3200



7.0398, 0.2733, 0.1279



0.3000, 0.2853, 0.1346



# Previews

## White Background



This preview shows how the Yxy color 51.3716, 0.3132, 0.3353 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

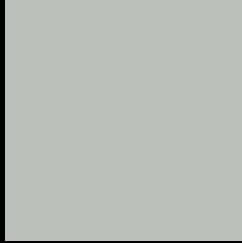
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.3716, 0.3132, 0.3353 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

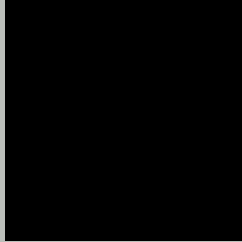
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

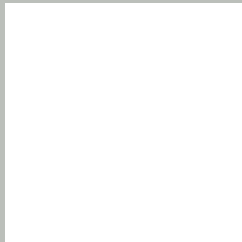
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.3716, 0.3132, 0.3353**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.3716, 0.3132, 0.3353.



This preview shows how white text looks on a background with the Yxy color 51.3716, 0.3132, 0.3353.

# 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

51.3716, 0.3132, 0.3353

### Protanopia

51.3673, 0.3199, 0.3340

### Deuteranopia

51.4671, 0.3308, 0.3243



## **Tritanopia**

51.2254, 0.3031, 0.3105

# Trichromacy



## Original Color

51.3716, 0.3132, 0.3353

## Protanomaly

51.4061, 0.3174, 0.3353

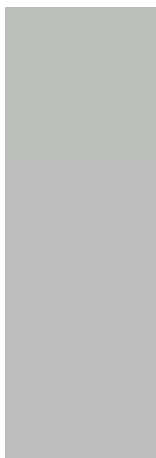
## Deuteranomaly

51.5460, 0.3244, 0.3290

## Tritanomaly

51.2452, 0.3067, 0.3190

# Monochromacy



## Original Color

51.3716, 0.3132, 0.3353

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.1491, 0.3126, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.3716, 0.3132, 0.3353 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(187, 191, 186)` looks like.

```
.text, #text, p{  
    color:rgb(187, 191, 186)  
}
```

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(187, 191, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 191, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 51.3716, 0.3132, 0.3353 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(187, 191, 186) }
```

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

```
.border{ border-color:rgb(187, 191, 186) }
```

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

Here you see how a box with a 4 pixel rgb(187, 191, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 191, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 191, 186);  
box-shadow:4px 4px 4px 4px rgb(187, 191,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.3716, 0.3132, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 191, 186) }
```

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

```
.background{ background-color: rgb(187,  
191, 186) }
```

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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