

# Converting Colors

Yxy(51.2101, 0.3044, 0.3165)

Have a look what the booklet for  
Yxy(51.2101, 0.3044, 0.3165)  
contains.

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# Color

**Yxy(51.2101, 0.3044, 0.3165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCBDC7
RGB	188, 189, 199
RGB Percent	74%, 74%, 78%
CMY	0.2626, 0.2588, 0.2195
CMYK	0.06, 0.05, 0.00, 0.22
HSL	235°, 9%, 76%
HSV	235°, 6%, 78%
XYZ	49.2523, 51.2101, 61.3389
YIQ	189.8410, -3.8060, 2.8980

# Conversions

## Conversions Part 2

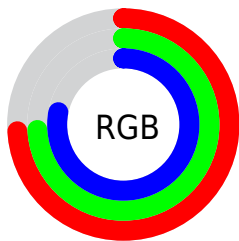
Format	Color
R <sub>Y</sub> B	188, 189, 199
Decimal	12369351
CIE Lab	76.81, 1.58, -5.17
CIE LCh	77, 5.404, 286.987
Yxy	51.2101, 0.3044, 0.3165
Android (android.graphics.Color)	4290559431 (0xFFBCBDC7)
YUV	189.8410, 4.5154, -1.6146
Hunter-Lab	71.5612, -2.3788, -0.7277

# Details

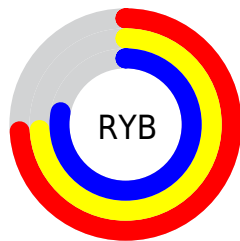
The Yxy color **51.2101, 0.3044, 0.3165** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.1936, 0.3209, 0.3412**, and the grayscale version is **51.3752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7579, 0.3062, 0.3192**, and **24.8035, 0.3025, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **41.5308, 0.2880, 0.2915**, and if you desaturate by 10%, it is **62.2194, 0.3190, 0.3384**.

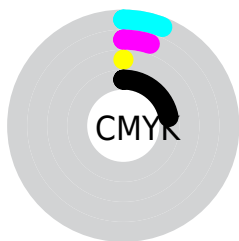
# Distribution



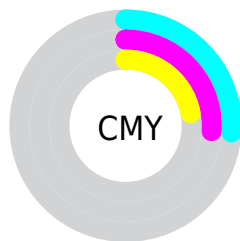
- Red (74%)
- Green (74%)
- Blue (78%)



- Red (74%)
- Yellow (74%)
- Blue (78%)



- Cyan (6%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)



- Cyan (26%)
- Magenta (26%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2101, 0.3044, 0.3165 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 51.2101, 0.3044, 0.3165 by changing the saturation by 10% instead.



■ 51.2101, 0.3044,  
0.3165

■ 51.2101, 0.3044,  
0.3165

■ 391.3795, 0.3085,  
0.3226

■ 36.3758, 0.3034,  
0.3150

■ 91.9653, 0.3059,  
0.3187

■ 24.7246, 0.3021,  
0.3131

■ 118.6550, 0.3064,  
0.3195

■ 15.8720, 0.3004,  
0.3106

■ 150.0652, 0.3069,  
0.3202

■ 9.4336, 0.2981,  
0.3072

■ 186.5805, 0.3073,  
0.3209

■ 5.0251, 0.2947,  
0.3022

■ 228.5852, 0.3077,  
0.3214

■ 2.2620, 0.2892,  
0.2943

■ 276.4637, 0.3080,

■ 0.7535, 0.2788,

0.3219

0.2784

330.6003, 0.3083,  
0.3223

0.0000, 0.0000,  
0.0000

51.2101, 0.3044,  
0.3165

51.2101, 0.3044,  
0.3165

41.5308, 0.2880,  
0.2915

62.2194, 0.3190,  
0.3384

33.1248, 0.2698,  
0.2635

74.5995, 0.3319,  
0.3575

25.9410, 0.2501,  
0.2329

88.3977, 0.3432,  
0.3740

19.9223, 0.2296,  
0.2003

96.9049, 0.3460,  
0.3840

15.0072, 0.2092,  
0.1672

■ 11.1283, 0.1901,  
0.1355

■ 8.2109, 0.1738,  
0.1074

■ 6.1702, 0.1615,  
0.0851

■ 4.9060, 0.1538,  
0.0700

# Harmonies

## Analogous

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



51.2101, 0.2998, 0.3183



51.2101, 0.3044, 0.3165



51.2101, 0.3113, 0.3180

# Triad

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



51.2101, 0.3044, 0.3165



51.2101, 0.3271, 0.3348



51.2101, 0.3068, 0.3358

# Complementary

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



51.2101, 0.3044, 0.3165



56.1936, 0.3209, 0.3412

# 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.



51.2101, 0.3140, 0.3404



51.2101, 0.3044, 0.3165



51.2101, 0.3258, 0.3397

# Square

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



51.2101, 0.3044, 0.3165



51.2101, 0.3244, 0.3284



51.2101, 0.3210, 0.3418



51.2101, 0.3011, 0.3294



# Rectangle

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



51.2101, 0.3044, 0.3165



51.2101, 0.3163, 0.3206



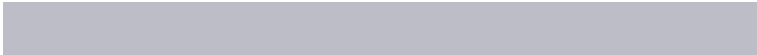
51.2101, 0.3210, 0.3418



51.2101, 0.3091, 0.3376

# Sweetspot

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



51.2123, 0.3044, 0.3165



96.1142, 0.3097, 0.3245



55.6290, 0.3050, 0.3303



20.6131, 0.3099, 0.3247



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.



51.2123, 0.3044, 0.3165



86.8216, 0.3019, 0.3128



51.3641, 0.3080, 0.3154



10.8470, 0.3013, 0.3118



2.9761, 0.1518, 0.0665



0.1939, 0.1578, 0.0879



# Inverse Universe

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



51.7970, 0.3211, 0.3278



88.1309, 0.3237, 0.3275



56.0450, 0.3173, 0.3425



11.0211, 0.3244, 0.3274



7.8404, 0.6290, 0.3239

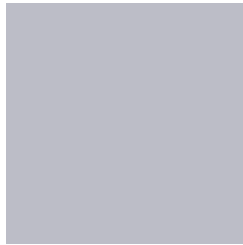


0.3766, 0.5945, 0.3049



# Previews

## White Background



This preview shows how the Yxy color 51.2101, 0.3044, 0.3165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

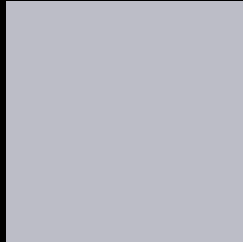
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.2101, 0.3044, 0.3165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

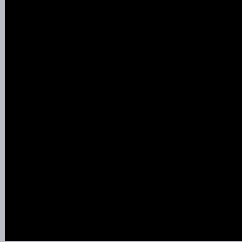
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

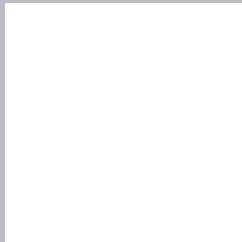
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.2101, 0.3044, 0.3165**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.2101, 0.3044, 0.3165.

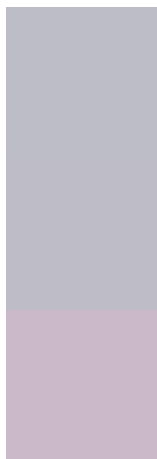


This preview shows how white text looks on a background with the Yxy color 51.2101, 0.3044, 0.3165.

# 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

51.2101, 0.3044, 0.3165

### Protanopia

51.0371, 0.3060, 0.3154

### Deuteranopia

51.1476, 0.3161, 0.3098



## Tritanopia

51.0971, 0.3023, 0.3105

# Trichromacy



## Original Color

51.2101, 0.3044, 0.3165

## Protanomaly

50.9088, 0.3052, 0.3153

## Deuteranomaly

51.2937, 0.3119, 0.3120

## Tritanomaly

51.0495, 0.3030, 0.3117

# Monochromacy



## Original Color

51.2101, 0.3044, 0.3165

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

51.4960, 0.3096, 0.3252

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.2101, 0.3044, 0.3165 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(188, 189, 199)` looks like.

```
.text, #text, p{  
    color:rgb(188, 189, 199)  
}
```

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(188, 189, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 189, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 51.2101, 0.3044, 0.3165 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(188, 189, 199) }
```

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

```
.border{ border-color:rgb(188, 189, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 189, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 189, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 189, 199);  
box-shadow:4px 4px 4px 4px rgb(188, 189,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.2101, 0.3044, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 189, 199) }
```

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

```
.background{ background-color: rgb(188,  
189, 199) }
```

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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