

# Converting Colors

$Yxy(51.3932, 0.2924, 0.3087)$

Have a look what the booklet for  
Yxy(51.3932, 0.2924, 0.3087)  
contains.

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# Color

**Yxy(51.4699, 0.2924, 0.3090)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B4BFCF
RGB	180, 191, 207
RGB Percent	71%, 75%, 81%
CMY	0.2943, 0.2509, 0.1883
CMYK	0.13, 0.08, 0.00, 0.19
HSL	215°, 22%, 76%
HSV	215°, 13%, 81%
XYZ	48.7049, 51.4699, 66.3945
YIQ	189.5350, -11.6920, 2.6440

# Conversions

## Conversions Part 2

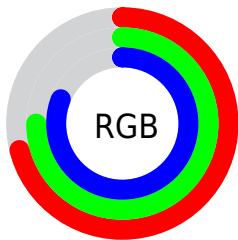
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 188, 207
Decimal	11845583
CIELab	76.96, -0.59, -9.32
CIELCh	77, 9.336, 266.377
Yxy	51.4699, 0.2924, 0.3090
Android (android.graphics.Color)	4290035663 (0xFFB4BFCF)
YUV	189.5350, 8.6102, -8.3622
Hunter-Lab	71.7425, -4.3686, -4.6505

# Details

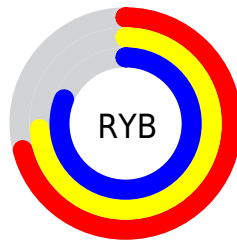
The Yxy color **51.4699, 0.2924, 0.3090** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.9996, 0.3338, 0.3482**, and the grayscale version is **51.1622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5744, 0.3012, 0.3211**, and **24.9889, 0.2867, 0.3036** is the 20% darker color. If you saturate the color by 10%, you get **44.0601, 0.2759, 0.2916**, and if you desaturate by 10%, it is **59.6998, 0.3081, 0.3246**.

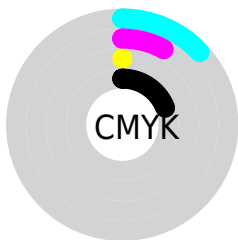
# Distribution



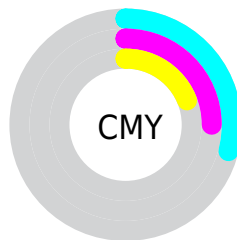
- Red (71%)
- Green (75%)
- Blue (81%)



- Red (71%)
- Yellow (74%)
- Blue (81%)



- Cyan (13%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (29%)
- Magenta (25%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4699, 0.2924, 0.3090 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 51.4699, 0.2924, 0.3090 by changing the saturation by 10% instead.



■ 51.4699, 0.2924,  
0.3090

■ 51.4699, 0.2924,  
0.3090

392.3867, 0.3024,  
0.3188

■ 36.5827, 0.2900,  
0.3066

■ 92.3490, 0.2960,  
0.3125

■ 24.8846, 0.2869,  
0.3036

119.1097, 0.2973,  
0.3139

■ 15.9911, 0.2829,  
0.2996

150.5970, 0.2985,  
0.3150

■ 9.5178, 0.2774,  
0.2941

187.1953, 0.2995,  
0.3160

■ 5.0805, 0.2694,  
0.2861

229.2891, 0.3003,  
0.3168

■ 2.2945, 0.2568,  
0.2736

277.2626, 0.3011,

■ 0.7708, 0.2331,

0.3176

0.2502

331.5004, 0.3018,  
0.3182

0.0000, 0.0000,  
0.0000

51.4699, 0.2924,  
0.3090

51.4699, 0.2924,  
0.3090

44.0601, 0.2759,  
0.2916

59.6998, 0.3081,  
0.3246

37.4369, 0.2589,  
0.2725

68.7693, 0.3228,  
0.3384

31.5735, 0.2418,  
0.2517

78.7050, 0.3365,  
0.3506

26.4391, 0.2250,  
0.2297

88.0327, 0.3438,  
0.3619

22.0005, 0.2092,  
0.2069

95.4696, 0.3417,  
0.3734

■ 18.2212, 0.1950,  
0.1839

■ 97.2847, 0.3412,  
0.3761

■ 15.0607, 0.1831,  
0.1617

■ 12.4719, 0.1739,  
0.1410

■ 10.9653, 0.1688,  
0.1277

# Harmonies

## Analogous

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



51.4699, 0.2884, 0.3155



51.4699, 0.2924, 0.3090



51.4699, 0.3018, 0.3078

# Triad

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



51.4699, 0.2924, 0.3090



51.4699, 0.3351, 0.3314



51.4699, 0.3109, 0.3469

# Complementary

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



51.4699, 0.2924, 0.3090



55.9996, 0.3338, 0.3482

# 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.



51.4699, 0.3234, 0.3511



51.4699, 0.2924, 0.3090



51.4699, 0.3376, 0.3418

# Square

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



51.4699, 0.2924, 0.3090



51.4699, 0.3265, 0.3206



51.4699, 0.3333, 0.3491



51.4699, 0.2990, 0.3375



# Rectangle

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



51.4699, 0.2924, 0.3090



51.4699, 0.3099, 0.3101



51.4699, 0.3333, 0.3491



51.4699, 0.3151, 0.3489

# Sweetspot

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



51.4720, 0.2924, 0.3090



94.3337, 0.3066, 0.3231



58.2922, 0.3004, 0.3430



19.9685, 0.3054, 0.3220



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

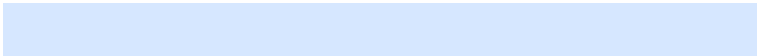


# Same Dimension

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



51.4720, 0.2924, 0.3090



78.6469, 0.2873, 0.3038



47.0935, 0.2938, 0.2950



12.2014, 0.2982, 0.3149



7.0851, 0.1695, 0.1303



0.5506, 0.1797, 0.1670



# Inverse Universe

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



49.6467, 0.3271, 0.3157



75.2188, 0.3312, 0.3123



60.8579, 0.3303, 0.3612



11.8874, 0.3227, 0.3195



8.7865, 0.5323, 0.2706

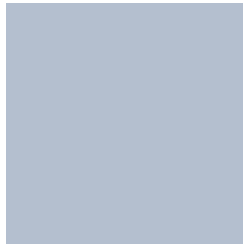


0.5069, 0.4844, 0.2442



# Previews

## White Background



This preview shows how the Yxy color 51.4699, 0.2924, 0.3090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

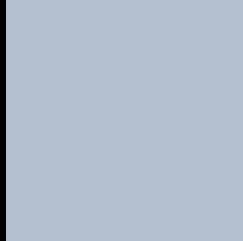
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.4699, 0.2924, 0.3090 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

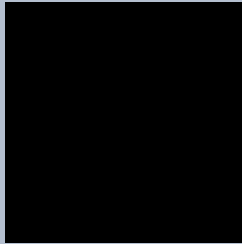
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

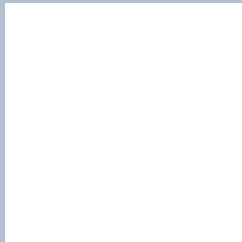
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.4699, 0.2924, 0.3090**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.4699, 0.2924, 0.3090.

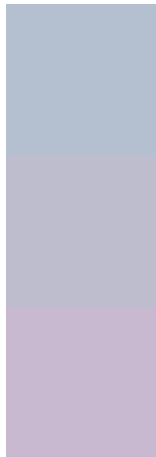


This preview shows how white text looks on a background with the Yxy color 51.4699, 0.2924, 0.3090.

# 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

51.4699, 0.2924, 0.3090

### Protanopia

51.6218, 0.3008, 0.3093

### Deuteranopia

51.5314, 0.3074, 0.3015



## Tritanopia

51.4211, 0.2931, 0.3102

# Trichromacy



## Original Color

51.4699, 0.2924, 0.3090

## Protanomaly

51.7222, 0.2977, 0.3092

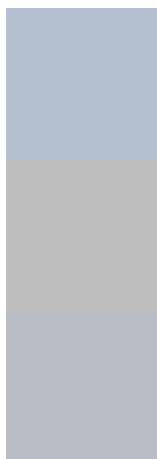
## Deuteranomaly

51.4322, 0.3018, 0.3035

## Tritanomaly

51.4211, 0.2931, 0.3102

# Monochromacy



## Original Color

51.4699, 0.2924, 0.3090

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

51.2515, 0.3050, 0.3215

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4699, 0.2924, 0.3090 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(180, 191, 207)` looks like.

```
.text, #text, p{  
    color:rgb(180, 191, 207)  
}
```

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(180, 191, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 191, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4699, 0.2924, 0.3090 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(180, 191, 207) }
```

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

```
.border{ border-color:rgb(180, 191, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 191, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 191, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 191, 207);  
box-shadow:4px 4px 4px 4px rgb(180, 191,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4699, 0.2924, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 191, 207) }
```

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

```
.background{ background-color: rgb(180,  
191, 207) }
```

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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