

# Converting Colors

$Yxy(51.1177, 0.2974, 0.3175)$

Have a look what the booklet for  
Yxy(51.1177, 0.2974, 0.3175)  
contains.

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# Color

**Yxy(51.1350, 0.2974, 0.3176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4BFC8
RGB	180, 191, 200
RGB Percent	71%, 75%, 78%
CMY	0.2940, 0.2510, 0.2157
CMYK	0.10, 0.04, 0.00, 0.22
HSL	207°, 15%, 75%
HSV	207°, 10%, 78%
XYZ	47.8827, 51.1350, 61.9867
YIQ	188.7370, -9.4450, 0.4670

# Conversions

## Conversions Part 2

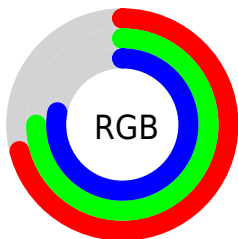
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	180, 187, 200
Decimal	11845576
CIE Lab	76.76, -1.98, -5.83
CIE LCh	77, 6.155, 251.204
Yxy	51.1350, 0.2974, 0.3176
Android (android.graphics.Color)	4290035656 (0xFFB4BFC8)
YUV	188.7370, 5.5527, -7.6623
Hunter-Lab	71.5087, -5.6156, -1.3389

# Details

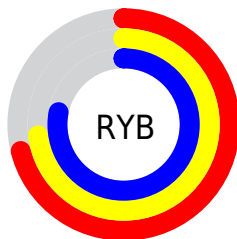
The Yxy color **51.1350, 0.2974, 0.3176** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.9823, 0.3289, 0.3401**, and the grayscale version is **50.7058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5744, 0.3012, 0.3211**, and **24.7643, 0.2932, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **45.0959, 0.2816, 0.3049**, and if you desaturate by 10%, it is **57.7667, 0.3127, 0.3290**.

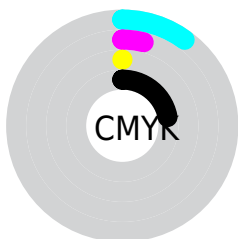
# Distribution



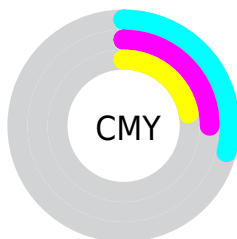
- Red (71%)
- Green (75%)
- Blue (78%)



- Red (71%)
- Yellow (73%)
- Blue (78%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)



- Cyan (29%)
- Magenta (25%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1350, 0.2974, 0.3176 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 51.1350, 0.2974, 0.3176 by changing the saturation by 10% instead.



■ 51.1350, 0.2974,  
0.3176

■ 51.1350, 0.2974,  
0.3176

391.0881, 0.3049,  
0.3232

■ 36.3161, 0.2956,  
0.3162

■ 91.8543, 0.3001,  
0.3196

■ 24.6784, 0.2932,  
0.3144

118.5234, 0.3011,  
0.3204

■ 15.8376, 0.2902,  
0.3121

149.9114, 0.3020,  
0.3211

■ 9.4093, 0.2860,  
0.3089

186.4027, 0.3027,  
0.3216

■ 5.0091, 0.2798,  
0.3041

228.3816, 0.3034,  
0.3221

■ 2.2526, 0.2701,  
0.2965

276.2325, 0.3040,

■ 0.7485, 0.2495,

0.3225

0.2817

330.3399, 0.3045,  
0.3229

0.0000, 0.0000,  
0.0000

51.1350, 0.2974,  
0.3176

51.1350, 0.2974,  
0.3176

45.0959, 0.2816,  
0.3049

57.7667, 0.3127,  
0.3290

39.6239, 0.2657,  
0.2909

65.0027, 0.3275,  
0.3392

34.7008, 0.2499,  
0.2758

72.8622, 0.3415,  
0.3482

30.3050, 0.2347,  
0.2596

80.3958, 0.3509,  
0.3565

26.4131, 0.2204,  
0.2426

85.4577, 0.3491,  
0.3653

■ 22.9994, 0.2077,  
0.2251

■ 90.7816, 0.3473,  
0.3738

■ 20.0350, 0.1969,  
0.2075

■ 96.3712, 0.3456,  
0.3822

■ 17.4866, 0.1882,  
0.1903

■ 96.9499, 0.3454,  
0.3830

■ 15.2955, 0.1816,  
0.1737

# Harmonies

## Analogous

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



51.1350, 0.2969, 0.3235



51.1350, 0.2974, 0.3176



51.1350, 0.3020, 0.3149

# Triad

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



51.1350, 0.2974, 0.3176



51.1350, 0.3250, 0.3269



51.1350, 0.3158, 0.3426

# Complementary

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



51.1350, 0.2974, 0.3176



51.9823, 0.3289, 0.3401

# 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.



51.1350, 0.3235, 0.3434



51.1350, 0.2974, 0.3176



51.1350, 0.3288, 0.3342

# Square

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



51.1350, 0.2974, 0.3176



51.1350, 0.3179, 0.3203



51.1350, 0.3283, 0.3403



51.1350, 0.3074, 0.3380



# Rectangle

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



51.1350, 0.2974, 0.3176



51.1350, 0.3067, 0.3151



51.1350, 0.3283, 0.3403



51.1350, 0.3186, 0.3433

# Sweetspot

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



51.1371, 0.2974, 0.3176



96.3978, 0.3081, 0.3257



54.6882, 0.3051, 0.3429



20.4305, 0.3069, 0.3247



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

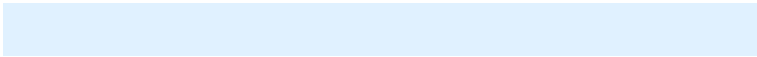


# Same Dimension

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



51.1371, 0.2974, 0.3176



86.1659, 0.2940, 0.3149



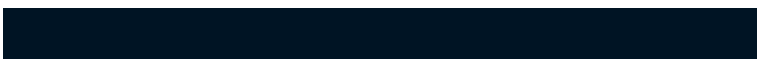
46.9355, 0.2973, 0.3048



11.2371, 0.2983, 0.3183



9.9049, 0.1822, 0.1760



0.6122, 0.1919, 0.2109



# Inverse Universe

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



48.6945, 0.3211, 0.3155



81.1500, 0.3231, 0.3125



56.4211, 0.3276, 0.3521



10.7328, 0.3205, 0.3164



8.5399, 0.4733, 0.2381

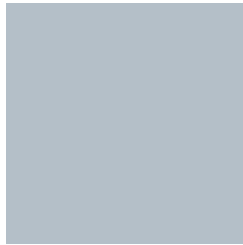


0.4188, 0.4332, 0.2160



# Previews

## White Background



This preview shows how the Yxy color 51.1350, 0.2974, 0.3176 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

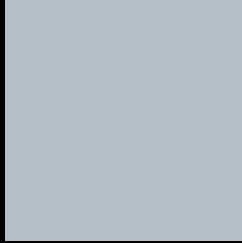
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.1350, 0.2974, 0.3176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

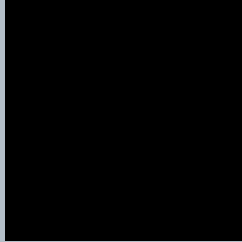
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

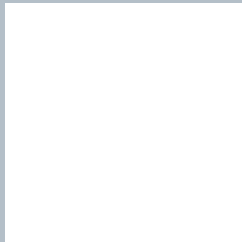
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.1350, 0.2974, 0.3176**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.1350, 0.2974, 0.3176.



This preview shows how white text looks on a background with the Yxy color 51.1350, 0.2974, 0.3176.

# 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

51.1350, 0.2974, 0.3176

### Protanopia

50.9908, 0.3068, 0.3166

### Deuteranopia

51.0546, 0.3145, 0.3086



## Tritanopia

51.0584, 0.2946, 0.3102

# Trichromacy



## Original Color

51.1350, 0.2974, 0.3176

## Protanomaly

50.9578, 0.3028, 0.3165

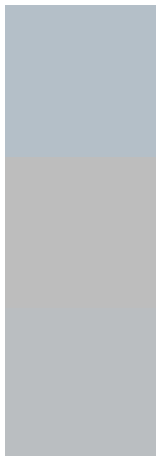
## Deuteranomaly

51.2270, 0.3078, 0.3118

## Tritanomaly

50.9625, 0.2960, 0.3126

# Monochromacy



## Original Color

51.1350, 0.2974, 0.3176

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.1163, 0.3072, 0.3252

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.1350, 0.2974, 0.3176 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(180, 191, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 191, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 51.1350, 0.2974, 0.3176 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, 200) }
```

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

```
.border{ border-color:rgb(180, 191, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 191, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 191, 200);  
box-shadow:4px 4px 4px 4px rgb(180, 191,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.1350, 0.2974, 0.3176 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, 200) }
```

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

```
.background{ background-color: rgb(180,  
191, 200) }
```

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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