

# Converting Colors

Yxy(51.3343, 0.2883, 0.3005)

Have a look what the booklet for  
Yxy(51.3343, 0.2883, 0.3005)  
contains.

<b>Yxy(51.3343, 0.2883, 0.3005)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(51.3343, 0.2883, 0.3005)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4BED5
RGB	180, 190, 213
RGB Percent	71%, 75%, 84%
CMY	0.2940, 0.2549, 0.1648
CMYK	0.15, 0.11, 0.00, 0.16
HSL	222°, 28%, 77%
HSV	222°, 15%, 84%
XYZ	49.2502, 51.3343, 70.2451
YIQ	189.6320, -13.3430, 5.0330

# Conversions

## Conversions Part 2

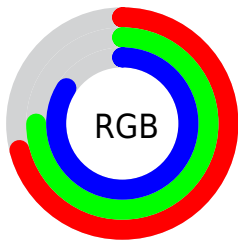
Format	Color
<a href="#">RYB</a>	<a href="#">180, 188, 213</a>
Decimal	<a href="#">11845333</a>
CIELab	<a href="#">76.88, 1.25, -12.68</a>
CIElCh	<a href="#">77, 12.737, 275.632</a>
Yxy	<a href="#">51.3343, 0.2883, 0.3005</a>
Android (android.graphics.Color)	<a href="#">4290035413 (0xFFB4BED5)</a>
YUV	<a href="#">189.6320, 11.5204, -8.4473</a>
Hunter-Lab	<a href="#">71.6480, -2.6846, -7.9756</a>

# Details

The Yxy color **51.3343, 0.2883, 0.3005** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.1601, 0.3375, 0.3560**, and the grayscale version is **51.2121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9644, 0.3012, 0.3201**, and **24.8720, 0.2820, 0.2939** is the 20% darker color. If you saturate the color by 10%, you get **42.8608, 0.2711, 0.2793**, and if you desaturate by 10%, it is **60.8612, 0.3044, 0.3195**.

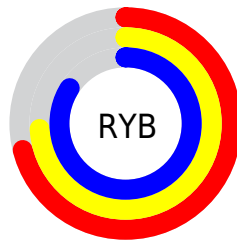
# Distribution



Red (71%)

Green (75%)

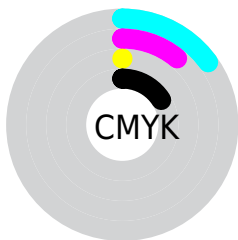
Blue (84%)



Red (71%)

Yellow (74%)

Blue (84%)

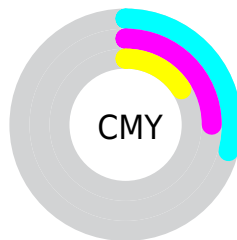


Cyan (15%)

Magenta (11%)

Yellow (0%)

Black (16%)



Cyan (29%)

Magenta (25%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3343, 0.2883, 0.3005 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 51.3343, 0.2883, 0.3005 by changing the saturation by 10% instead.



■ 51.3343, 0.2883,  
0.3005

■ 51.3343, 0.2883,  
0.3005

391.8612, 0.3003,  
0.3144

■ 36.4747, 0.2854,  
0.2971

■ 92.1487, 0.2926,  
0.3055

■ 24.8011, 0.2817,  
0.2929

118.8724, 0.2942,  
0.3074

■ 15.9289, 0.2769,  
0.2873

150.3195, 0.2956,  
0.3090

■ 9.4739, 0.2702,  
0.2797

186.8745, 0.2968,  
0.3104

■ 5.0515, 0.2607,  
0.2688

228.9218, 0.2978,  
0.3116

■ 2.2775, 0.2458,  
0.2519

276.8458, 0.2987,

■ 0.7618, 0.2191,

0.3126

0.2212

331.0308, 0.2995,  
0.3136

0.0000, 0.0000,  
0.0000

51.3343, 0.2883,  
0.3005

51.3343, 0.2883,  
0.3005

42.8608, 0.2711,  
0.2793

60.8612, 0.3044,  
0.3195

35.3967, 0.2531,  
0.2559

71.4704, 0.3193,  
0.3364

28.9046, 0.2348,  
0.2307

83.1979, 0.3329,  
0.3512

23.3417, 0.2168,  
0.2043

94.0835, 0.3384,  
0.3649

18.6622, 0.1999,  
0.1776

97.5828, 0.3376,  
0.3701

■ 14.8156, 0.1849,  
0.1516

■ 11.7456, 0.1728,  
0.1277

■ 9.3867, 0.1640,  
0.1070

■ 8.5121, 0.1608,  
0.0987

# Harmonies

## Analogous

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



51.3343, 0.2805, 0.3071



51.3343, 0.2883, 0.3005



51.3343, 0.3027, 0.3014

# Triad

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



51.3343, 0.2883, 0.3005



51.3343, 0.3454, 0.3366



51.3343, 0.3048, 0.3502

# Complementary

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



51.3343, 0.2883, 0.3005



60.1601, 0.3375, 0.3560

# 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.



51.3343, 0.3221, 0.3585



51.3343, 0.2883, 0.3005



51.3343, 0.3459, 0.3500

# Square

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



51.3343, 0.2883, 0.3005



51.3343, 0.3359, 0.3218



51.3343, 0.3373, 0.3582



51.3343, 0.2898, 0.3358



# Rectangle

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



51.3343, 0.2883, 0.3005



51.3343, 0.3142, 0.3059



51.3343, 0.3373, 0.3582



51.3343, 0.3105, 0.3538

# Sweetspot

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



51.3364, 0.2883, 0.3005



92.1163, 0.3051, 0.3203



61.5737, 0.2960, 0.3417



19.4867, 0.3040, 0.3190



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.



51.3364, 0.2883, 0.3005



72.2367, 0.2820, 0.2928



47.9113, 0.2926, 0.2884



12.6147, 0.2982, 0.3123



5.3588, 0.1615, 0.1012



0.4675, 0.1712, 0.1361



# Inverse Universe

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



50.5192, 0.3332, 0.3172



70.8988, 0.3392, 0.3142



64.1284, 0.3311, 0.3677



12.4820, 0.3244, 0.3220



8.8858, 0.5740, 0.2936

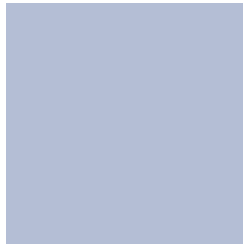


0.5505, 0.5243, 0.2662



# Previews

## White Background



This preview shows how the Yxy color 51.3343, 0.2883, 0.3005 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

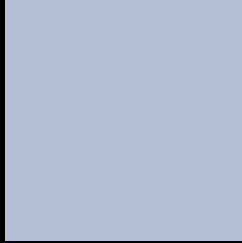
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.3343, 0.2883, 0.3005 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

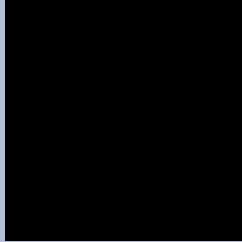
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

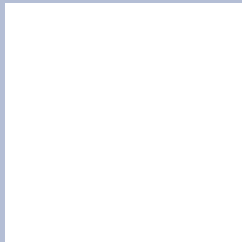
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.3343, 0.2883, 0.3005**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.3343, 0.2883, 0.3005.



This preview shows how white text looks on a background with the Yxy color 51.3343, 0.2883, 0.3005.

# 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

51.3343, 0.2883, 0.3005

### Protanopia

51.1590, 0.2934, 0.2995

### Deuteranopia

51.4233, 0.3006, 0.2943



## Tritanopia

51.3015, 0.2924, 0.3101

# Trichromacy



## Original Color

51.3343, 0.2883, 0.3005

## Protanomaly

51.3390, 0.2919, 0.3007

## Deuteranomaly

51.4721, 0.2959, 0.2963

## Tritanomaly

51.4488, 0.2903, 0.3065

# Monochromacy



## Original Color

51.3343, 0.2883, 0.3005

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

51.3432, 0.3035, 0.3190

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.3343, 0.2883, 0.3005 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, 190, 213)` looks like.

```
.text, #text, p{  
    color:rgb(180, 190, 213)  
}
```

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, 190, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 190, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 51.3343, 0.2883, 0.3005 is called "border". The border property can be set on classes, ids or directly on the HTML element.

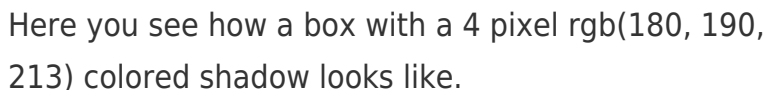
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 190, 213) }
```

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

```
.border{ border-color:rgb(180, 190, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 190, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 190, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 190, 213); box-shadow:4px 4px 4px 4px rgb(180, 190, 213) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.3343, 0.2883, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 190, 213) }
```

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

```
.background{ background-color: rgb(180,  
190, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor