

# Converting Colors

$Yxy(58.8289, 0.3019, 0.3308)$

Have a look what the booklet for  
Yxy(58.8289, 0.3019, 0.3308)  
contains.

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# Color

**Yxy(58.7933, 0.3021, 0.3314)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BDCDCB
RGB	189, 205, 203
RGB Percent	74%, 80%, 80%
CMY	0.2588, 0.1960, 0.2039
CMYK	0.08, 0.00, 0.01, 0.20
HSL	172°, 14%, 77%
HSV	172°, 8%, 80%
XYZ	53.5952, 58.7933, 65.0204
YIQ	199.9880, -8.8940, -4.0140

# Conversions

## Conversions Part 2

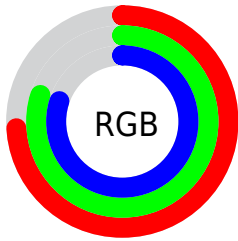
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	189, 198, 205
Decimal	12438987
CIE Lab	81.18, -5.79, -0.87
CIE LCh	81, 5.857, 188.560
Yxy	58.7933, 0.3021, 0.3314
Android (android.graphics.Color)	4290629067 (0xFFBDCDCB)
YUV	199.9880, 1.4849, -9.6365
Hunter-Lab	76.6768, -9.4172, 3.3970

# Details

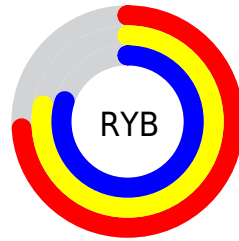
The Yxy color **58.7933, 0.3021, 0.3314** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.1345, 0.3244, 0.3266**, and the grayscale version is **57.7464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **29.5374, 0.2997, 0.3322** is the 20% darker color. If you saturate the color by 10%, you get **56.2351, 0.2891, 0.3347**, and if you desaturate by 10%, it is **61.7291, 0.3157, 0.3284**.

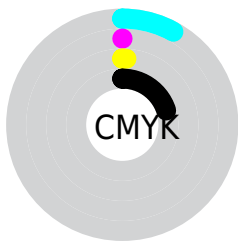
# Distribution



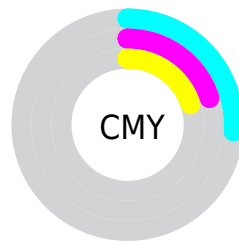
- Red (74%)
- Green (80%)
- Blue (80%)



- Red (74%)
- Yellow (78%)
- Blue (80%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)



- Cyan (26%)
- Magenta (20%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7933, 0.3021, 0.3314 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 58.7933, 0.3021, 0.3314 by changing the saturation by 10% instead.



■ 58.7933, 0.3021,  
0.3314

■ 58.7933, 0.3021,  
0.3314

420.1355, 0.3072,  
0.3303

■ 42.4467, 0.3009,  
0.3317

■ 103.0772, 0.3039,  
0.3310

■ 29.4513, 0.2994,  
0.3320

131.7833, 0.3046,  
0.3308

■ 19.4225, 0.2974,  
0.3324

165.3781, 0.3052,  
0.3307

■ 11.9759, 0.2947,  
0.3330

204.2459, 0.3057,  
0.3306

■ 6.7273, 0.2909,  
0.3338

248.7712, 0.3061,  
0.3305

■ 3.2921, 0.2851,  
0.3350

299.3382, 0.3065,

■ 1.2861, 0.2751,

0.3304

0.3370

356.3316, 0.3069,  
0.3303

0.1304, 0.0000,  
0.3912

0.0000, 0.0000,  
0.0000

58.7933, 0.3021,  
0.3314

58.7933, 0.3021,  
0.3314

56.2351, 0.2891,  
0.3347

61.7291, 0.3157,  
0.3284

54.0315, 0.2769,  
0.3384


65.0495, 0.3297,  
0.3256

52.1685, 0.2660,  
0.3422


68.7709, 0.3438,  
0.3232

50.6282, 0.2564,  
0.3463


69.7451, 0.3454,  
0.3206

 49.3911, 0.2486,  
0.3506


 69.8771, 0.3434,  
0.3180

 48.4355, 0.2426,  
0.3549

 70.0112, 0.3415,  
0.3154

 47.7370, 0.2385,  
0.3593

 70.1474, 0.3395,  
0.3129

 47.2668, 0.2364,  
0.3637

 70.2857, 0.3376,  
0.3103

 46.9834, 0.2359,  
0.3680

 70.4261, 0.3357,  
0.3077

# Harmonies

## Analogous

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



58.7933, 0.3086, 0.3377



58.7933, 0.3021, 0.3314



58.7933, 0.2985, 0.3245

# Triad

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



58.7933, 0.3021, 0.3314



58.7933, 0.3091, 0.3168



58.7933, 0.3270, 0.3389

# Complementary

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



58.7933, 0.3021, 0.3314



53.1345, 0.3244, 0.3266

# 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.



58.7933, 0.3272, 0.3332



58.7933, 0.3021, 0.3314



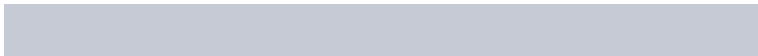
58.7933, 0.3168, 0.3206

# Square

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



58.7933, 0.3021, 0.3314



58.7933, 0.3025, 0.3162



58.7933, 0.3234, 0.3265



58.7933, 0.3230, 0.3420



# Rectangle

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



58.7933, 0.3021, 0.3314



58.7933, 0.2981, 0.3206



58.7933, 0.3234, 0.3265



58.7933, 0.3276, 0.3372

# Sweetspot

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



58.7958, 0.3021, 0.3314



99.0043, 0.3099, 0.3296



58.4331, 0.3134, 0.3486



21.2014, 0.3101, 0.3296



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.



58.7958, 0.3021, 0.3314



95.7200, 0.3004, 0.3318



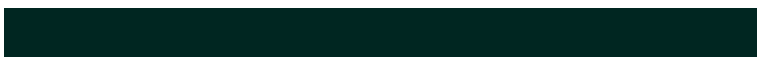
56.1355, 0.3008, 0.3218



12.7019, 0.3000, 0.3319



29.2241, 0.2357, 0.3683



1.5146, 0.2333, 0.3598

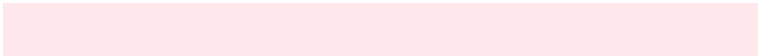


# Inverse Universe

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



53.1345, 0.3244, 0.3266



84.9956, 0.3266, 0.3262



55.6240, 0.3253, 0.3361



11.2362, 0.3271, 0.3261



8.1334, 0.6229, 0.3205

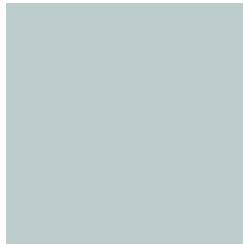


0.4274, 0.5803, 0.2971



# Previews

## White Background



This preview shows how the Yxy color 58.7933, 0.3021, 0.3314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

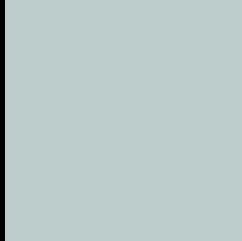
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.7933, 0.3021, 0.3314 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

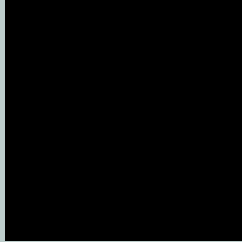
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

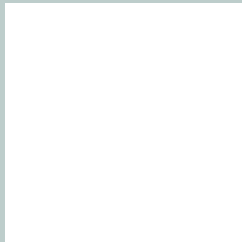
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.7933, 0.3021, 0.3314**

## Background



This preview shows how black text looks on a background with the Yxy color 58.7933, 0.3021, 0.3314.



This preview shows how white text looks on a background with the Yxy color 58.7933, 0.3021, 0.3314.

# 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

58.7933, 0.3021, 0.3314

### Protanopia

58.4578, 0.3166, 0.3290

### Deuteranopia

58.4981, 0.3245, 0.3177



## Tritanopia

59.0328, 0.2935, 0.3101

# Trichromacy



## Original Color

58.7933, 0.3021, 0.3314

## Protanomaly

58.6002, 0.3111, 0.3302

## Deuteranomaly

58.6164, 0.3161, 0.3232

## Tritanomaly

59.0662, 0.2968, 0.3182

# Monochromacy



## Original Color

58.7933, 0.3021, 0.3314

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

58.1939, 0.3088, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.7933, 0.3021, 0.3314 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(189, 205, 203)` looks like.

```
.text, #text, p{  
    color:rgb(189, 205, 203)  
}
```

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(189, 205, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 205, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 58.7933, 0.3021, 0.3314 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(189, 205, 203) }
```

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

```
.border{ border-color:rgb(189, 205, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 205, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 205, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 205, 203);  
box-shadow:4px 4px 4px 4px rgb(189, 205,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.7933, 0.3021, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 205, 203) }
```

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

```
.background{ background-color: rgb(189,  
205, 203) }
```

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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