

Converting Colors

$Yxy(51.6799, 0.2873, 0.3082)$

Have a look what the booklet for
Yxy(51.6799, 0.2873, 0.3082)
contains.

Yxy(51.8573, 0.2874, 0.3089)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.8573, 0.2874, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	AFC1D1
RGB	175, 193, 209
RGB Percent	69%, 76%, 82%
CMY	0.3139, 0.2431, 0.1805
CMYK	0.16, 0.08, 0.00, 0.18
HSL	208°, 27%, 75%
HSV	208°, 16%, 82%
XYZ	48.2479, 51.8573, 67.7721
YIQ	189.4420, -15.8640, 1.1600

Conversions

Conversions Part 2

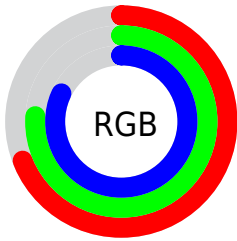
Format	Color
R _Y B	175, 187, 209
Decimal	11518417
CIE Lab	77.20, -2.85, -10.08
CIE LCh	77, 10.476, 254.225
Yxy	51.8573, 0.2874, 0.3089
Android (android.graphics.Color)	4289708497 (0xFFAFC1D1)
YUV	189.4420, 9.6421, -12.6656
Hunter-Lab	72.0120, -6.4263, -5.3907

Details

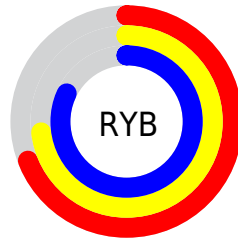
The Yxy color **51.8573, 0.2874, 0.3089** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.8703, 0.3403, 0.3483**, and the grayscale version is **51.1023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9603, 0.2981, 0.3230**, and **25.2603, 0.2802, 0.3035** is the 20% darker color. If you saturate the color by 10%, you get **45.4341, 0.2713, 0.2948**, and if you desaturate by 10%, it is **58.9463, 0.3031, 0.3217**.

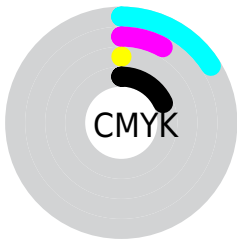
Distribution



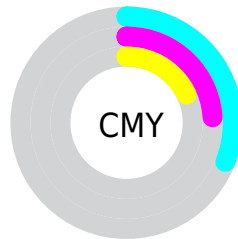
- Red (69%)
- Green (76%)
- Blue (82%)



- Red (69%)
- Yellow (73%)
- Blue (82%)



- Cyan (16%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)



- Cyan (31%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8573, 0.2874, 0.3089 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 51.8573, 0.2874, 0.3089 by changing the saturation by 10% instead.

■ 51.8573, 0.2874,
0.3089

■ 51.8573, 0.2874,
0.3089

■ 393.8855, 0.2998,
0.3188

■ 36.8913, 0.2844,
0.3065

■ 92.9208, 0.2918,
0.3125

■ 25.1234, 0.2806,
0.3034

■ 119.7870, 0.2935,
0.3138

■ 16.1690, 0.2757,
0.2993

■ 151.3889, 0.2949,
0.3150

■ 9.6438, 0.2689,
0.2937

■ 188.1107, 0.2962,
0.3159

■ 5.1634, 0.2592,
0.2856

■ 230.3369, 0.2972,
0.3168

■ 2.3435, 0.2441,
0.2728

■ 278.4518, 0.2982,

■ 0.7966, 0.2153,

0.3176

0.2495

332.8399, 0.2990,
0.3182

0.0000, 0.0000,
0.0000

51.8573, 0.2874,
0.3089

51.8573, 0.2874,
0.3089

45.4341, 0.2713,
0.2948

58.9463, 0.3031,
0.3217

39.6476, 0.2553,
0.2794

66.7160, 0.3183,
0.3331

34.4757, 0.2395,
0.2628

75.1890, 0.3327,
0.3432

29.8925, 0.2246,
0.2452

83.7054, 0.3438,
0.3524

25.8694, 0.2110,
0.2270

89.3866, 0.3421,
0.3619

■ 22.3752, 0.1991,
0.2087

■ 95.3805, 0.3405,
0.3711

■ 19.3738, 0.1895,
0.1906

■ 97.3823, 0.3400,
0.3741

■ 16.8216, 0.1821,
0.1732

■ 15.9594, 0.1797,
0.1669

Harmonies

Analogous

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



51.8573, 0.2858, 0.3182



51.8573, 0.2874, 0.3089



51.8573, 0.2956, 0.3051

Triad

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



51.8573, 0.2874, 0.3089



51.8573, 0.3346, 0.3266



51.8573, 0.3164, 0.3518

Complementary

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



51.8573, 0.2874, 0.3089



53.8703, 0.3403, 0.3483

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.



51.8573, 0.3297, 0.3537



51.8573, 0.2874, 0.3089



51.8573, 0.3404, 0.3388

Square

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



51.8573, 0.2874, 0.3089



51.8573, 0.3228, 0.3153



51.8573, 0.3386, 0.3488



51.8573, 0.3024, 0.3433

Rectangle

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



51.8573, 0.2874, 0.3089



51.8573, 0.3039, 0.3060



51.8573, 0.3386, 0.3488



51.8573, 0.3211, 0.3532

Sweetspot

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



51.8594, 0.2874, 0.3089



93.9046, 0.3050, 0.3231



58.4527, 0.3000, 0.3518



19.9208, 0.3039, 0.3223



0.0000, 0.0000, 0.0000



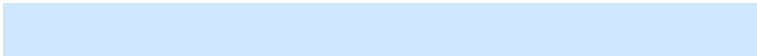
21.4041, 0.3127, 0.3290

Same Dimension

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



51.8594, 0.2874, 0.3089



77.2518, 0.2811, 0.3035



44.7980, 0.2865, 0.2870



12.4419, 0.2983, 0.3178



10.0417, 0.1804, 0.1693



0.7196, 0.1892, 0.2010

Inverse Universe

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



48.0465, 0.3278, 0.3074



70.2196, 0.3322, 0.3019



61.6804, 0.3372, 0.3678



11.9116, 0.3209, 0.3167



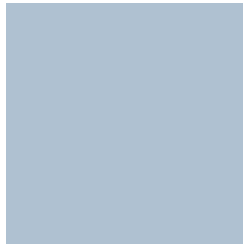
9.0850, 0.4815, 0.2426



0.5239, 0.4441, 0.2220

Previews

White Background



This preview shows how the Yxy color 51.8573, 0.2874, 0.3089 looks on a white background.

Color Contrast Check

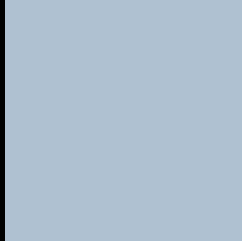
Large Text (above 18pt) WCAG AA × Fail

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 51.8573, 0.2874, 0.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

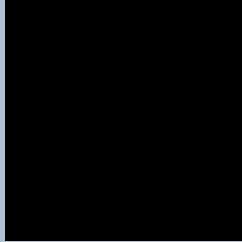
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

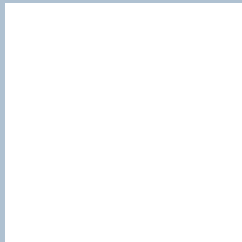
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.8573, 0.2874, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 51.8573, 0.2874, 0.3089.



This preview shows how white text looks on a background with the Yxy color 51.8573, 0.2874, 0.3089.

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

51.8573, 0.2874, 0.3089

Protanopia

51.7190, 0.2993, 0.3069

Deuteranopia

51.6804, 0.3052, 0.2980



Tritanopia

51.8080, 0.2881, 0.3101

Trichromacy



Original Color

51.8573, 0.2874, 0.3089

Protanomaly

51.5713, 0.2948, 0.3067

Deuteranomaly

51.6959, 0.2987, 0.3022

Tritanomaly

51.8080, 0.2881, 0.3101

Monochromacy



Original Color

51.8573, 0.2874, 0.3089

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.0028, 0.3034, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8573, 0.2874, 0.3089 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(175, 193, 209)` looks like.

```
.text, #text, p{  
    color:rgb(175, 193, 209)  
}
```

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(175, 193, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 193, 209) }
```

Border

The CSS property to change the border of an element to Yxy 51.8573, 0.2874, 0.3089 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(175, 193, 209) }
```

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

```
.border{ border-color:rgb(175, 193, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 193, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 193, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 193, 209);  
box-shadow:4px 4px 4px 4px rgb(175, 193,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8573, 0.2874, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 193, 209) }
```

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

```
.background{ background-color: rgb(175,  
193, 209) }
```

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