

Converting Colors

$Y_{xy}(51.1628, 0.2865, 0.2770)$

Have a look what the booklet for
Yxy(51.1628, 0.2865, 0.2770)
contains.

Yxy(51.0889, 0.2867, 0.2770)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.0889, 0.2867, 0.2770)

Conversions

Conversions Part 1

Format	Color
Hex	C0B8E4
RGB	192, 184, 228
RGB Percent	75%, 72%, 89%
CMY	0.2471, 0.2784, 0.1059
CMYK	0.16, 0.19, 0.00, 0.11
HSL	251°, 45%, 81%
HSV	251°, 19%, 89%
XYZ	52.8779, 51.0889, 80.4696
YIQ	191.4080, -9.3560, 15.3800

Conversions

Conversions Part 2

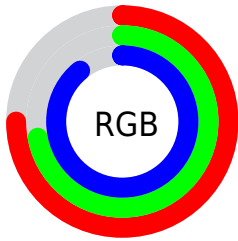
Format	Color
R _Y B	192, 184, 228
Decimal	12630244
CIE Lab	76.73, 11.52, -20.94
CIE LCh	77, 23.897, 298.812
Yxy	51.0889, 0.2867, 0.2770
Android (android.graphics.Color)	4290820324 (0xFFC0B8E4)
YUV	191.4080, 18.0399, 0.5192
Hunter-Lab	71.4765, 6.9695, -16.7163

Details

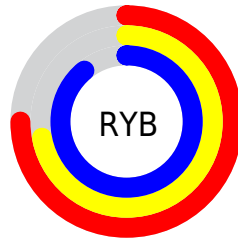
The Yxy color **51.0889, 0.2867, 0.2770** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.1658, 0.3358, 0.3779**, and the grayscale version is **52.2465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6799, 0.3095, 0.3144**, and **24.6144, 0.2798, 0.2645** is the 20% darker color. If you saturate the color by 10%, you get **40.0850, 0.2705, 0.2459**, and if you desaturate by 10%, it is **63.9326, 0.3010, 0.3053**.

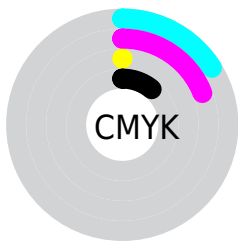
Distribution



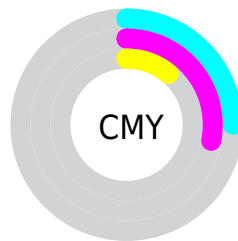
- Red (75%)
- Green (72%)
- Blue (89%)



- Red (75%)
- Yellow (72%)
- Blue (89%)



- Cyan (16%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (25%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0889, 0.2867, 0.2770 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 51.0889, 0.2867, 0.2770 by changing the saturation by 10% instead.

■ 51.0889, 0.2867,
0.2770

■ 51.0889, 0.2867,
0.2770

■ 390.9091, 0.2996,
0.3018

■ 36.2794, 0.2835,
0.2712

■ 91.7862, 0.2914,
0.2857

■ 24.6500, 0.2795,
0.2639

■ 118.4427, 0.2931,
0.2891

■ 15.8165, 0.2742,
0.2545

■ 149.8170, 0.2946,
0.2920

■ 9.3944, 0.2669,
0.2421

■ 186.2935, 0.2959,
0.2945

■ 4.9993, 0.2564,
0.2249

■ 228.2565, 0.2970,
0.2966

■ 2.2469, 0.2401,
0.1996

■ 276.0906, 0.2980,

■ 0.7454, 0.2123,

0.2986

0.1585

330.1799, 0.2989,
0.3003

0.0000, 0.0000,
0.0000

51.0889, 0.2867,
0.2770

51.0889, 0.2867,
0.2770

40.0850, 0.2705,
0.2459

63.9326, 0.3010,
0.3053

30.8302, 0.2527,
0.2128

78.6888, 0.3135,
0.3307

23.2351, 0.2337,
0.1789

95.4340, 0.3243,
0.3531

17.2004, 0.2145,
0.1459

98.3812, 0.3286,
0.3552

12.6156, 0.1961,
0.1161

■ 9.3556, 0.1799,
0.0918

■ 7.2735, 0.1670,
0.0746

■ 6.1420, 0.1580,
0.0647

■ 6.0791, 0.1575,
0.0641

Harmonies

Analogous

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



51.0889, 0.2630, 0.2777



51.0889, 0.2867, 0.2770



51.0889, 0.3185, 0.2885

Triad

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



51.0889, 0.2867, 0.2770



51.0889, 0.3768, 0.3618



51.0889, 0.2754, 0.3486

Complementary

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



51.0889, 0.2867, 0.2770



74.1658, 0.3358, 0.3779

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.



51.0889, 0.3044, 0.3749



51.0889, 0.2867, 0.2770



51.0889, 0.3636, 0.3811

Square

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



51.0889, 0.2867, 0.2770



51.0889, 0.3720, 0.3358



51.0889, 0.3368, 0.3868



51.0889, 0.2567, 0.3174

Rectangle

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



51.0889, 0.2867, 0.2770



51.0889, 0.3403, 0.3017



51.0889, 0.3368, 0.3868



51.0889, 0.2842, 0.3585

Sweetspot

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



51.0910, 0.2867, 0.2770



88.3246, 0.3053, 0.3139



67.3295, 0.2834, 0.3204



18.6449, 0.3045, 0.3122



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.



51.0910, 0.2867, 0.2770



60.1201, 0.2807, 0.2653



54.0832, 0.3033, 0.2795



14.0121, 0.3008, 0.3049



3.5471, 0.1585, 0.0647



0.2987, 0.1713, 0.0717

Inverse Universe

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



55.9478, 0.3211, 0.2895



67.4522, 0.3231, 0.2814



71.0435, 0.3204, 0.3803



14.5681, 0.3165, 0.3100



11.6044, 0.3727, 0.1827



0.8693, 0.3638, 0.1778

Previews

White Background



This preview shows how the Yxy color 51.0889, 0.2867, 0.2770 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 51.0889, 0.2867, 0.2770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

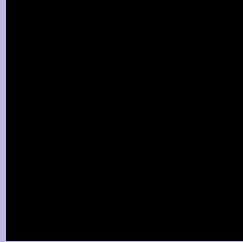
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.0889, 0.2867, 0.2770

Background



This preview shows how black text looks on a background with the Yxy color 51.0889, 0.2867, 0.2770.



This preview shows how white text looks on a background with the Yxy color 51.0889, 0.2867, 0.2770.

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

51.0889, 0.2867, 0.2770

Protanopia

51.3829, 0.2768, 0.2784

Deuteranopia

51.1182, 0.2845, 0.2779



Tritanopia

50.9696, 0.3015, 0.3104

Trichromacy



Original Color

51.0889, 0.2867, 0.2770

Protanomaly

51.3881, 0.2803, 0.2787

Deuteranomaly

51.2465, 0.2853, 0.2780

Tritanomaly

51.1129, 0.2957, 0.2985

Monochromacy



Original Color

51.0889, 0.2867, 0.2770

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.4024, 0.3031, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0889, 0.2867, 0.2770 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(192, 184, 228)` looks like.

```
.text, #text, p{  
    color:rgb(192, 184, 228)  
}
```

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(192, 184, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 184, 228) }
```

Border

The CSS property to change the border of an element to Yxy 51.0889, 0.2867, 0.2770 is called "border". The border property can be set on classes, ids or directly on the HTML element.

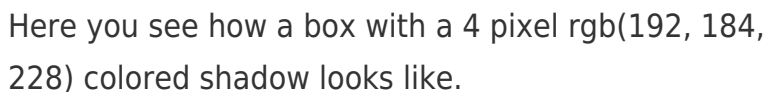
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(192, 184, 228) }
```

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

```
.border{ border-color:rgb(192, 184, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(192, 184, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 184, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 184, 228); box-shadow:4px 4px 4px 4px rgb(192, 184, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0889, 0.2867, 0.2770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 184, 228) }
```

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

```
.background{ background-color: rgb(192,  
184, 228) }
```

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