

Converting Colors

$Y_{xy}(48.0330, 0.2832, 0.2629)$

Have a look what the booklet for
Yxy(48.0330, 0.2832, 0.2629)
contains.

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Color

Yxy(48.0833, 0.2835, 0.2630)

Conversions

Conversions Part 1

Format	Color
Hex	C0B0E8
RGB	192, 176, 232
RGB Percent	75%, 69%, 91%
CMY	0.2471, 0.3098, 0.0901
CMYK	0.17, 0.24, 0.00, 0.09
HSL	257°, 55%, 80%
HSV	257°, 24%, 91%
XYZ	51.8312, 48.0833, 82.9117
YIQ	187.1680, -8.4400, 20.8080

Conversions

Conversions Part 2

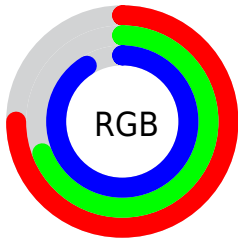
Format	Color
R _Y B	192, 176, 232
Decimal	12628200
CIE Lab	74.88, 16.78, -25.95
CIE LCh	75, 30.903, 302.893
Yxy	48.0833, 0.2835, 0.2630
Android (android.graphics.Color)	4290818280 (0xFFC0B0E8)
YUV	187.1680, 22.1022, 4.2377
Hunter-Lab	69.3421, 12.0749, -22.3530

Details

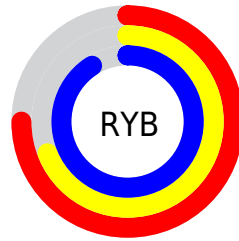
The Yxy color **48.0833, 0.2835, 0.2630** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.4658, 0.3374, 0.3916**, and the grayscale version is **49.6716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0730, 0.3098, 0.3065**, and **22.7038, 0.2754, 0.2462** is the 20% darker color. If you saturate the color by 10%, you get **37.7072, 0.2685, 0.2317**, and if you desaturate by 10%, it is **60.2621, 0.2968, 0.2922**.

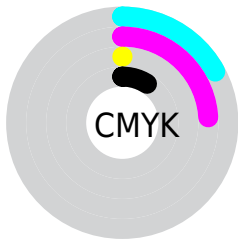
Distribution



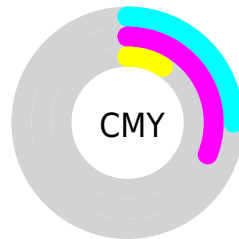
- Red (75%)
- Green (69%)
- Blue (91%)



- Red (75%)
- Yellow (69%)
- Blue (91%)



- Cyan (17%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)



- Cyan (25%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0833, 0.2835, 0.2630 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 48.0833, 0.2835, 0.2630 by changing the saturation by 10% instead.

■ 48.0833, 0.2835,
0.2630

■ 48.0833, 0.2835,
0.2630

379.1222, 0.2983,
0.2944

■ 33.8929, 0.2798,
0.2557

■ 87.3284, 0.2889,
0.2740

■ 22.8113, 0.2751,
0.2465

113.1519, 0.2909,
0.2783

■ 14.4542, 0.2689,
0.2349

143.6218, 0.2926,
0.2819

■ 8.4373, 0.2603,
0.2195

179.1226, 0.2940,
0.2851

■ 4.3760, 0.2479,
0.1985

220.0386, 0.2953,
0.2878

■ 1.8860, 0.2285,
0.1683

266.7543, 0.2964,

■ 0.5400, 0.1969,

0.2903

0.1149

319.6540, 0.2974,
0.2924

0.0000, 0.0000,
0.0000

48.0833, 0.2835,
0.2630

48.0833, 0.2835,
0.2630

37.7072, 0.2685,
0.2317

60.2621, 0.2968,
0.2922

29.0408, 0.2521,
0.1991

74.3188, 0.3084,
0.3188

21.9915, 0.2347,
0.1667

90.3314, 0.3184,
0.3426

16.4556, 0.2171,
0.1362

98.6077, 0.3262,
0.3512

12.3166, 0.2003,
0.1096

■ 9.4405, 0.1853,
0.0888

■ 7.6655, 0.1730,
0.0750

■ 6.9948, 0.1672,
0.0695

Harmonies

Analogous

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



48.0833, 0.2512, 0.2612



48.0833, 0.2835, 0.2630



48.0833, 0.3259, 0.2797

Triad

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



48.0833, 0.2835, 0.2630



48.0833, 0.3962, 0.3750



48.0833, 0.2594, 0.3491

Complementary

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



48.0833, 0.2835, 0.2630



75.4658, 0.3374, 0.3916

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.



48.0833, 0.2956, 0.3869



48.0833, 0.2835, 0.2630



48.0833, 0.3752, 0.3995

Square

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



48.0833, 0.2835, 0.2630



48.0833, 0.3936, 0.3416



48.0833, 0.3380, 0.4055



48.0833, 0.2380, 0.3076

Rectangle

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



48.0833, 0.2835, 0.2630



48.0833, 0.3544, 0.2974



48.0833, 0.3380, 0.4055



48.0833, 0.2701, 0.3629

Sweetspot

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



48.0853, 0.2835, 0.2630



86.7962, 0.3052, 0.3114



64.2478, 0.2756, 0.3103



18.3463, 0.3045, 0.3098



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.



48.0853, 0.2835, 0.2630



52.8678, 0.2762, 0.2476



52.0770, 0.3056, 0.2672



14.0854, 0.3025, 0.3050



3.9375, 0.1687, 0.0703



0.3369, 0.1840, 0.0787

Inverse Universe

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



53.1708, 0.3284, 0.2852



60.2619, 0.3324, 0.2759



71.5717, 0.3177, 0.3956



14.5414, 0.3181, 0.3124



11.0704, 0.4089, 0.2026



0.8339, 0.3931, 0.1939

Previews

White Background



This preview shows how the Yxy color 48.0833, 0.2835, 0.2630 looks on a white background.

Color Contrast Check

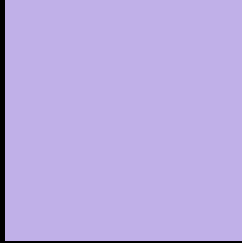
Large Text (above 18pt) WCAG AA × Fail

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 48.0833, 0.2835, 0.2630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

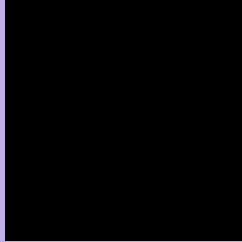
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0833, 0.2835, 0.2630

Background



This preview shows how black text looks on a background with the Yxy color 48.0833, 0.2835, 0.2630.



This preview shows how white text looks on a background with the Yxy color 48.0833, 0.2835, 0.2630.

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

48.0833, 0.2835, 0.2630

Protanopia

48.1164, 0.2647, 0.2621

Deuteranopia

48.2822, 0.2741, 0.2684



Tritanopia

47.9262, 0.3044, 0.3100

Trichromacy



Original Color

48.0833, 0.2835, 0.2630

Protanomaly

48.1057, 0.2714, 0.2628

Deuteranomaly

48.0770, 0.2776, 0.2665

Tritanomaly

47.9870, 0.2963, 0.2920

Monochromacy



Original Color

48.0833, 0.2835, 0.2630

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.9976, 0.3023, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0833, 0.2835, 0.2630 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, 176, 232)` looks like.

```
.text, #text, p{  
    color:rgb(192, 176, 232)  
}
```

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, 176, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 176, 232) }
```

Border

The CSS property to change the border of an element to Yxy 48.0833, 0.2835, 0.2630 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, 176, 232) }
```

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

```
.border{ border-color:rgb(192, 176, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 176, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 176, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 176, 232);  
box-shadow:4px 4px 4px 4px rgb(192, 176,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0833, 0.2835, 0.2630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 176, 232) }
```

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

```
.background{ background-color: rgb(192,  
176, 232) }
```

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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