

Converting Colors

$Y_{xy}(48.0843, 0.2906, 0.3010)$

Have a look what the booklet for
Yxy(48.0843, 0.2906, 0.3010)
contains.

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Color

Yxy(48.0843, 0.2906, 0.3010)

Conversions

Conversions Part 1

Format	Color
Hex	B1B8CE
RGB	177, 184, 206
RGB Percent	69%, 72%, 81%
CMY	0.3057, 0.2785, 0.1921
CMYK	0.14, 0.11, 0.00, 0.19
HSL	226°, 23%, 75%
HSV	226°, 14%, 81%
XYZ	46.4229, 48.0843, 65.2413
YIQ	184.4150, -11.2340, 5.3580

Conversions

Conversions Part 2

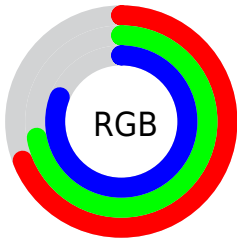
Format	Color
RYB	177, 183, 206
Decimal	11647182
CIELab	74.88, 2.05, -11.92
CIELCh	75, 12.098, 279.741
Yxy	48.0843, 0.2906, 0.3010
Android (android.graphics.Color)	4289837262 (0xFFB1B8CE)
YUV	184.4150, 10.6414, -6.5030
Hunter-Lab	69.3428, -1.8497, -7.2431

Details

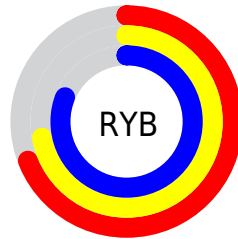
The Yxy color `48.0843, 0.2906, 0.3010` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `57.1882, 0.3347, 0.3555`, and the grayscale version is `48.1242, 0.3127, 0.3290`.

A 20% lighter version of the original color is `86.8638, 0.2993, 0.3139`, and `22.7847, 0.2839, 0.2928` is the 20% darker color. If you saturate the color by 10%, you get `39.6930, 0.2733, 0.2781`, and if you desaturate by 10%, it is `57.5659, 0.3066, 0.3214`.

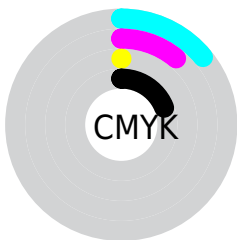
Distribution



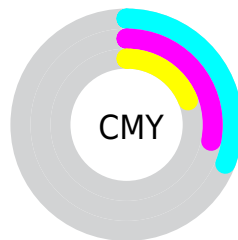
- Red (69%)
- Green (72%)
- Blue (81%)



- Red (69%)
- Yellow (72%)
- Blue (81%)



- Cyan (14%)
- Magenta (11%)
- Yellow (0%)
- Black (19%)



- Cyan (31%)
- Magenta (28%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0843, 0.2906, 0.3010 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 48.0843, 0.2906, 0.3010 by changing the saturation by 10% instead.

■ 48.0843, 0.2906,
0.3010

■ 48.0843, 0.2906,
0.3010

379.1262, 0.3016,
0.3148

■ 33.8937, 0.2879,
0.2976

■ 87.3299, 0.2946,
0.3060

■ 22.8119, 0.2844,
0.2933

113.1537, 0.2961,
0.3079

■ 14.4547, 0.2798,
0.2876

143.6239, 0.2973,
0.3094

■ 8.4376, 0.2735,
0.2799

179.1250, 0.2984,
0.3108

■ 4.3762, 0.2642,
0.2685

220.0414, 0.2994,
0.3120

■ 1.8862, 0.2493,
0.2505

266.7575, 0.3002,

■ 0.5400, 0.2166,

0.3131

0.2076

319.6576, 0.3009,
0.3140

0.0000, 0.0000,
0.0000

48.0843, 0.2906,
0.3010

48.0843, 0.2906,
0.3010

39.6930, 0.2733,
0.2781

57.5659, 0.3066,
0.3214

32.3464, 0.2550,
0.2529

68.1695, 0.3212,
0.3394

26.0042, 0.2360,
0.2258

79.9329, 0.3344,
0.3551

20.6213, 0.2172,
0.1973

92.0344, 0.3432,
0.3693

16.1489, 0.1993,
0.1686

97.2374, 0.3418,
0.3770

■ 12.5336, 0.1834,
0.1412

■ 9.7159, 0.1705,
0.1164

■ 7.6275, 0.1612,
0.0957

■ 6.6817, 0.1571,
0.0857

Harmonies

Analogous

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



48.0843, 0.2820, 0.3064



48.0843, 0.2906, 0.3010



48.0843, 0.3052, 0.3028

Triad

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



48.0843, 0.2906, 0.3010



48.0843, 0.3451, 0.3384



48.0843, 0.3028, 0.3479

Complementary

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



48.0843, 0.2906, 0.3010



57.1882, 0.3347, 0.3555

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.



48.0843, 0.3196, 0.3570



48.0843, 0.2906, 0.3010



48.0843, 0.3443, 0.3508

Square

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



48.0843, 0.2906, 0.3010



48.0843, 0.3369, 0.3240



48.0843, 0.3348, 0.3579



48.0843, 0.2889, 0.3335

Rectangle

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



48.0843, 0.2906, 0.3010



48.0843, 0.3165, 0.3077



48.0843, 0.3348, 0.3579



48.0843, 0.3083, 0.3517

Sweetspot

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



48.0863, 0.2906, 0.3010



93.2663, 0.3066, 0.3214



57.6204, 0.2962, 0.3380



19.6989, 0.3055, 0.3200



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.



48.0863, 0.2906, 0.3010



73.4233, 0.2853, 0.2941



46.1483, 0.2962, 0.2926



11.2729, 0.2983, 0.3108



4.2405, 0.1578, 0.0879



0.3404, 0.1685, 0.1265

Inverse Universe

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



48.0496, 0.3325, 0.3206



73.4477, 0.3378, 0.3186



59.4424, 0.3278, 0.3642



11.2570, 0.3253, 0.3235



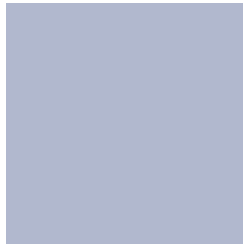
8.2311, 0.5944, 0.3048



0.4369, 0.5375, 0.2735

Previews

White Background



This preview shows how the Yxy color 48.0843, 0.2906, 0.3010 looks on a white background.

Color Contrast Check

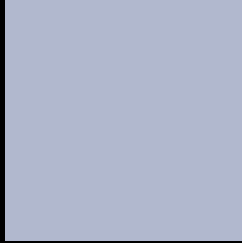
Large Text (above 18pt) WCAG AA × Fail

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 48.0843, 0.2906, 0.3010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

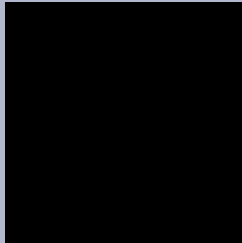
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

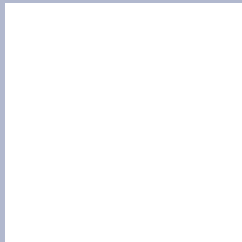
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0843, 0.2906, 0.3010

Background



This preview shows how black text looks on a background with the Yxy color 48.0843, 0.2906, 0.3010.

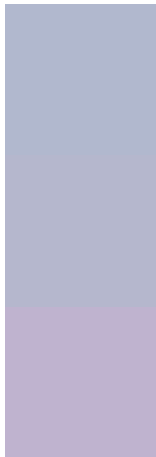


This preview shows how white text looks on a background with the Yxy color 48.0843, 0.2906, 0.3010.

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

48.0843, 0.2906, 0.3010

Protanopia

48.0985, 0.2944, 0.3012

Deuteranopia

47.8216, 0.3010, 0.2945



Tritanopia

48.0982, 0.2941, 0.3097

Trichromacy



Original Color

48.0843, 0.2906, 0.3010

Protanomaly

47.9780, 0.2936, 0.3012

Deuteranomaly

47.9918, 0.2969, 0.2966

Tritanomaly

48.1923, 0.2927, 0.3072

Monochromacy



Original Color

48.0843, 0.2906, 0.3010

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.9105, 0.3041, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0843, 0.2906, 0.3010 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(177, 184, 206)` looks like.

```
.text, #text, p{  
    color:rgb(177, 184, 206)  
}
```

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(177, 184, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 184, 206) }
```

Border

The CSS property to change the border of an element to Yxy 48.0843, 0.2906, 0.3010 is called "border". The border property can be set on classes, ids or directly on the HTML element.

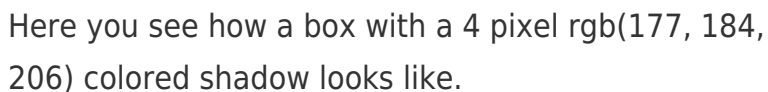
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 184, 206) }
```

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

```
.border{ border-color:rgb(177, 184, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 184, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 184, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 184, 206);  
box-shadow:4px 4px 4px 4px rgb(177, 184,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0843, 0.2906, 0.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 184, 206) }
```

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

```
.background{ background-color: rgb(177,  
184, 206) }
```

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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