

Converting Colors

$Y_{xy}(48.3806, 0.2870, 0.2900)$

Have a look what the booklet for
Yxy(48.3806, 0.2870, 0.2900)
contains.

Yxy(48.4253, 0.2872, 0.2904)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.4253, 0.2872, 0.2904)

Conversions

Conversions Part 1

Format	Color
Hex	B4B7D6
RGB	180, 183, 214
RGB Percent	71%, 72%, 84%
CMY	0.2941, 0.2823, 0.1608
CMYK	0.16, 0.14, 0.00, 0.16
HSL	235°, 29%, 77%
HSV	235°, 16%, 84%
XYZ	47.8917, 48.4253, 70.4368
YIQ	185.6370, -11.7390, 9.0050

Conversions

Conversions Part 2

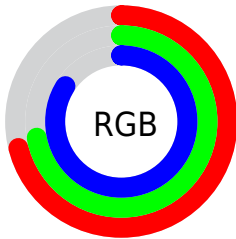
Format	Color
R _Y B	180, 183, 214
Decimal	11843542
CIE Lab	75.09, 5.23, -15.92
CIE LCh	75, 16.755, 288.199
Yxy	48.4253, 0.2872, 0.2904
Android (android.graphics.Color)	4290033622 (0xFFB4B7D6)
YUV	185.6370, 13.9830, -4.9436
Hunter-Lab	69.5883, 1.0668, -11.3011

Details

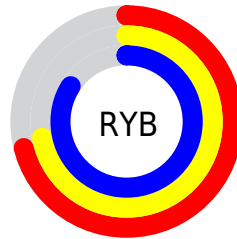
The Yxy color **48.4253, 0.2872, 0.2904** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.1708, 0.3369, 0.3649**, and the grayscale version is **48.8151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7859, 0.3012, 0.3130**, and **22.9805, 0.2804, 0.2803** is the 20% darker color. If you saturate the color by 10%, you get **38.5577, 0.2689, 0.2622**, and if you desaturate by 10%, it is **59.8084, 0.3038, 0.3156**.

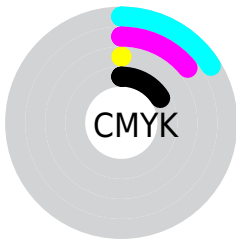
Distribution



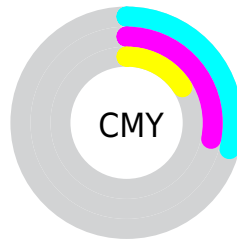
- Red (71%)
- Green (72%)
- Blue (84%)



- Red (71%)
- Yellow (72%)
- Blue (84%)



- Cyan (16%)
- Magenta (14%)
- Yellow (0%)
- Black (16%)



- Cyan (29%)
- Magenta (28%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4253, 0.2872, 0.2904 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 48.4253, 0.2872, 0.2904 by changing the saturation by 10% instead.

■ 48.4253, 0.2872,
0.2904

■ 48.4253, 0.2872,
0.2904

380.4754, 0.2999,
0.3092

■ 34.1638, 0.2841,
0.2858

■ 87.8373, 0.2918,
0.2971

■ 23.0195, 0.2801,
0.2801

113.7566, 0.2935,
0.2997

■ 14.6079, 0.2748,
0.2726

144.3306, 0.2950,
0.3019

■ 8.5447, 0.2675,
0.2623

179.9438, 0.2962,
0.3038

■ 4.4454, 0.2569,
0.2477

220.9804, 0.2973,
0.3054

■ 1.9257, 0.2401,
0.2252

267.8250, 0.2983,

■ 0.5638, 0.2092,

0.3068

0.1777

320.8619, 0.2991,
0.3081

0.0000, 0.0000,
0.0000

48.4253, 0.2872,
0.2904

48.4253, 0.2872,
0.2904

38.5577, 0.2689,
0.2622

59.8084, 0.3038,
0.3156

30.1358, 0.2491,
0.2313

72.7608, 0.3186,
0.3377

23.0934, 0.2285,
0.1985

87.3411, 0.3316,
0.3570

17.3566, 0.2080,
0.1653

97.6348, 0.3370,
0.3691

12.8449, 0.1890,
0.1336

■ 9.4685, 0.1728,
0.1057

■ 7.1253, 0.1607,
0.0838

■ 5.6942, 0.1534,
0.0691

■ 5.3189, 0.1514,
0.0651

Harmonies

Analogous

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



48.4253, 0.2729, 0.2948



48.4253, 0.2872, 0.2904



48.4253, 0.3087, 0.2957

Triad

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



48.4253, 0.2872, 0.2904



48.4253, 0.3586, 0.3469



48.4253, 0.2929, 0.3502

Complementary

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



48.4253, 0.2872, 0.2904



64.1708, 0.3369, 0.3649

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.



48.4253, 0.3154, 0.3656



48.4253, 0.2872, 0.2904



48.4253, 0.3538, 0.3626

Square

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



48.4253, 0.2872, 0.2904



48.4253, 0.3506, 0.3274



48.4253, 0.3377, 0.3699



48.4253, 0.2761, 0.3289

Rectangle

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



48.4253, 0.2872, 0.2904



48.4253, 0.3245, 0.3038



48.4253, 0.3377, 0.3699



48.4253, 0.3000, 0.3563

Sweetspot

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



48.4273, 0.2872, 0.2904



90.4699, 0.3051, 0.3176



62.4760, 0.2909, 0.3330



19.0879, 0.3040, 0.3159



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.



48.4273, 0.2872, 0.2904



66.9302, 0.2813, 0.2814



48.9114, 0.2978, 0.2879



12.1837, 0.2981, 0.3071



3.2799, 0.1518, 0.0663



0.2603, 0.1568, 0.0843

Inverse Universe

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



50.3553, 0.3400, 0.3255



70.3631, 0.3470, 0.3247



63.7193, 0.3260, 0.3695



12.4385, 0.3277, 0.3270



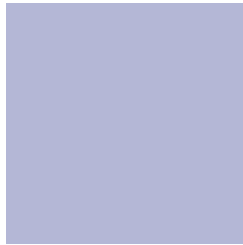
8.6760, 0.6294, 0.3241



0.5296, 0.6001, 0.3080

Previews

White Background



This preview shows how the Yxy color 48.4253, 0.2872, 0.2904 looks on a white background.

Color Contrast Check

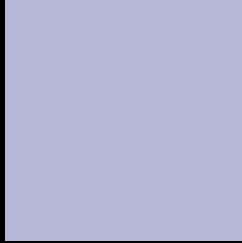
Large Text (above 18pt) WCAG AA × Fail

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 48.4253, 0.2872, 0.2904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

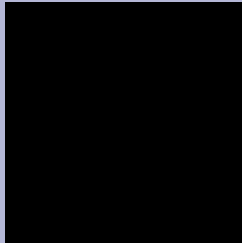
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4253, 0.2872, 0.2904

Background



This preview shows how black text looks on a background with the Yxy color 48.4253, 0.2872, 0.2904.



This preview shows how white text looks on a background with the Yxy color 48.4253, 0.2872, 0.2904.

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

48.4253, 0.2872, 0.2904

Protanopia

48.3057, 0.2864, 0.2903

Deuteranopia

48.2402, 0.2926, 0.2862



Tritanopia

48.3330, 0.2957, 0.3098

Trichromacy



Original Color

48.4253, 0.2872, 0.2904

Protanomaly

48.3057, 0.2864, 0.2903

Deuteranomaly

48.2683, 0.2903, 0.2871

Tritanomaly

48.2725, 0.2929, 0.3024

Monochromacy



Original Color

48.4253, 0.2872, 0.2904

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.8738, 0.3035, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4253, 0.2872, 0.2904 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(180, 183, 214)` looks like.

```
.text, #text, p{  
    color:rgb(180, 183, 214)  
}
```

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(180, 183, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 183, 214) }
```

Border

The CSS property to change the border of an element to Yxy 48.4253, 0.2872, 0.2904 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(180, 183, 214) }
```

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

```
.border{ border-color:rgb(180, 183, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 183, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 183, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 183, 214);  
box-shadow:4px 4px 4px 4px rgb(180, 183,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4253, 0.2872, 0.2904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 183, 214) }
```

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

```
.background{ background-color: rgb(180,  
183, 214) }
```

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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