

# Converting Colors

$Y_{xy}(48.3279, 0.2925, 0.3422)$

Have a look what the booklet for  
Yxy(48.3279, 0.2925, 0.3422)  
contains.

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# Color

**Yxy(48.2448, 0.2925, 0.3426)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DC0B6
RGB	157, 192, 182
RGB Percent	62%, 75%, 71%
CMY	0.3845, 0.2470, 0.2864
CMYK	0.18, 0.00, 0.05, 0.25
HSL	163°, 22%, 68%
HSV	163°, 18%, 75%
XYZ	41.1897, 48.2448, 51.3851
YIQ	180.3950, -17.6500, -10.5300

# Conversions

## Conversions Part 2

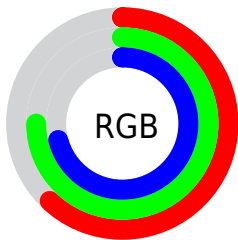
Format	Color
<a href="#">RYB</a>	<a href="#">157, 177, 192</a>
Decimal	<a href="#">10338486</a>
CIELab	<a href="#">74.98, -13.78, 1.15</a>
CIElCh	<a href="#">75, 13.826, 175.235</a>
Yxy	<a href="#">48.2448, 0.2925, 0.3426</a>
Android (android.graphics.Color)	<a href="#">4288528566</a> ( <a href="#">0xFF9DC0B6</a> )
YUV	<a href="#">180.3950, 0.7913, -20.5174</a>
Hunter-Lab	<a href="#">69.4585, -15.6996, 4.7585</a>

# Details

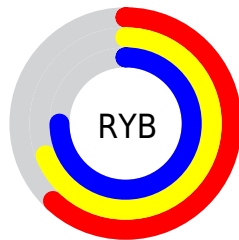
The Yxy color  $48.2448, 0.2925, 0.3426$  is a light color, and the websafe version is hex  $99CCCC$ . A complement of this color would be  $38.0985, 0.3380, 0.3158$ , and the grayscale version is  $45.8643, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.3049, 0.2961, 0.3395$ , and  $22.7652, 0.2868, 0.3459$  is the 20% darker color. If you saturate the color by 10%, you get  $46.2426, 0.2823, 0.3511$ , and if you desaturate by 10%, it is  $50.5634, 0.3034, 0.3348$ .

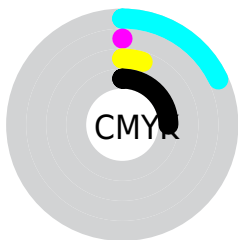
# Distribution



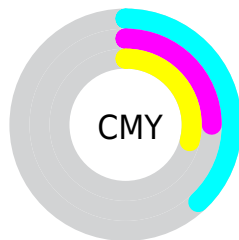
- Red (62%)
- Green (75%)
- Blue (71%)



- Red (62%)
- Yellow (69%)
- Blue (75%)



- Cyan (18%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)




- Cyan (38%)
- Magenta (25%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2448, 0.2925, 0.3426 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 48.2448, 0.2925, 0.3426 by changing the saturation by 10% instead.





 48.2448, 0.2925,  
0.3426

 48.2448, 0.2925,  
0.3426


379.7616, 0.3026,  
0.3358

 34.0208, 0.2900,  
0.3443


 87.5688, 0.2961,  
0.3401

 22.9096, 0.2868,  
0.3465


 113.4375, 0.2975,  
0.3392

 14.5267, 0.2825,  
0.3494


143.9567, 0.2987,  
0.3384

 8.4879, 0.2766,  
0.3534

179.5105, 0.2997,  
0.3378

 4.4087, 0.2678,  
0.3595

220.4836, 0.3005,  
0.3372

 1.9047, 0.2534,  
0.3696

267.2602, 0.3013,

 0.5512, 0.1490,

0.3367

0.4379

320.2247, 0.3020,  
0.3362

0.0000, 0.0000,  
0.0000

48.2448, 0.2925,  
0.3426

48.2448, 0.2925,  
0.3426

46.2426, 0.2823,  
0.3511

50.5634, 0.3034,  
0.3348

44.5365, 0.2730,  
0.3603

53.2058, 0.3147,  
0.3278

43.1133, 0.2650,  
0.3700

56.1864, 0.3262,  
0.3216

41.9561, 0.2585,  
0.3803

59.5172, 0.3377,  
0.3160

41.0464, 0.2538,  
0.3909

63.2093, 0.3490,  
0.3110

■ 40.3630, 0.2510,  
0.4017

■ 63.8708, 0.3462,  
0.3056

■ 39.8814, 0.2502,  
0.4125

■ 64.1581, 0.3418,  
0.3001

■ 39.5628, 0.2512,  
0.4232

■ 64.4550, 0.3375,  
0.2947

■ 39.5136, 0.2514,  
0.4250

■ 64.7617, 0.3332,  
0.2893

# Harmonies

## Analogous

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



48.2448, 0.3105, 0.3568



48.2448, 0.2925, 0.3426



48.2448, 0.2801, 0.3248

# Triad

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



48.2448, 0.2925, 0.3426



48.2448, 0.2954, 0.2972



48.2448, 0.3506, 0.3475

# Complementary

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



48.2448, 0.2925, 0.3426



38.0985, 0.3380, 0.3158

# 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.



48.2448, 0.3464, 0.3317



48.2448, 0.2925, 0.3426



48.2448, 0.3141, 0.3033

# Square

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



48.2448, 0.2925, 0.3426



48.2448, 0.2818, 0.2991



48.2448, 0.3329, 0.3157



48.2448, 0.3443, 0.3590



# Rectangle

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



48.2448, 0.2925, 0.3426



48.2448, 0.2765, 0.3137



48.2448, 0.3329, 0.3157



48.2448, 0.3504, 0.3425

# Sweetspot

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



48.2468, 0.2925, 0.3426



93.0571, 0.3070, 0.3325



48.4067, 0.3190, 0.3769



19.8931, 0.3062, 0.3330



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

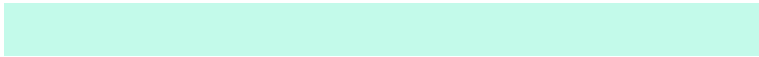


# Same Dimension

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



48.2468, 0.2925, 0.3426



85.8505, 0.2882, 0.3460



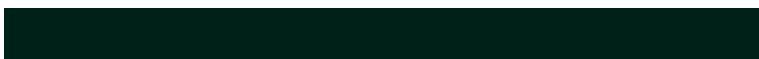
45.6703, 0.2851, 0.3194



11.3777, 0.3022, 0.3357



26.5975, 0.2510, 0.4237



1.1606, 0.2444, 0.3999



# Inverse Universe

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



38.0985, 0.3380, 0.3158



63.9870, 0.3450, 0.3127



40.1818, 0.3461, 0.3384



10.1243, 0.3245, 0.3224



7.7380, 0.5785, 0.2960



0.3466, 0.5127, 0.2598



# Previews

## White Background



This preview shows how the Yxy color 48.2448, 0.2925, 0.3426 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

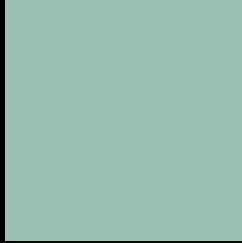
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.2448, 0.2925, 0.3426 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

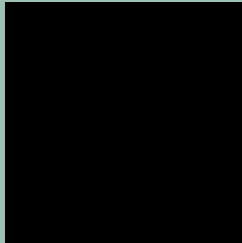
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

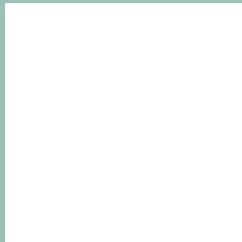
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.2448, 0.2925, 0.3426**

## Background



This preview shows how black text looks on a background with the Yxy color 48.2448, 0.2925, 0.3426.



This preview shows how white text looks on a background with the Yxy color 48.2448, 0.2925, 0.3426.

# 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

48.2448, 0.2925, 0.3426

### Protanopia

47.8601, 0.3226, 0.3367

### Deuteranopia

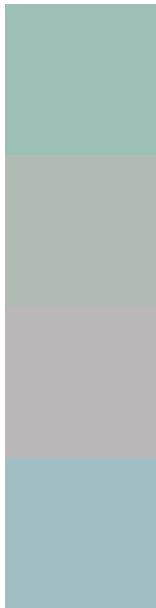
47.7611, 0.3271, 0.3204



## Tritanopia

48.3319, 0.2802, 0.3093

# Trichromacy



## Original Color

48.2448, 0.2925, 0.3426

## Protanomaly

47.7196, 0.3106, 0.3382

## Deuteranomaly

47.6420, 0.3136, 0.3277

## Tritanomaly

48.2860, 0.2850, 0.3210

# Monochromacy



## Original Color

48.2448, 0.2925, 0.3426

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

46.3878, 0.3050, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2448, 0.2925, 0.3426 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(157, 192, 182)` looks like.

```
.text, #text, p{  
    color:rgb(157, 192, 182)  
}
```

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(157, 192, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 192, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2448, 0.2925, 0.3426 is called "border". The border property can be set on classes, ids or directly on the HTML element.

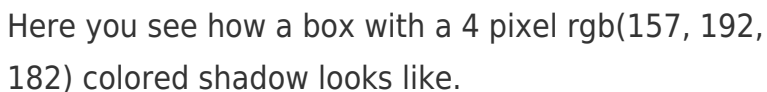
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 192, 182) }
```

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

```
.border{ border-color:rgb(157, 192, 182) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 192, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 192, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 192, 182);  
box-shadow:4px 4px 4px 4px rgb(157, 192,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2448, 0.2925, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 192, 182) }
```

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

```
.background{ background-color: rgb(157,  
192, 182) }
```

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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