

# Converting Colors

$Y_{xy}(50.8250, 0.2942, 0.3477)$

Have a look what the booklet for  
Yxy(50.8250, 0.2942, 0.3477)  
contains.

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# Color

**Yxy(50.8250, 0.2942, 0.3477)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0C5B7
RGB	160, 197, 183
RGB Percent	63%, 77%, 72%
CMY	0.3727, 0.2274, 0.2823
CMYK	0.19, 0.00, 0.07, 0.23
HSL	157°, 24%, 70%
HSV	157°, 19%, 77%
XYZ	43.0046, 50.8250, 52.3452
YIQ	184.3410, -17.5580, -12.1980

# Conversions

## Conversions Part 2

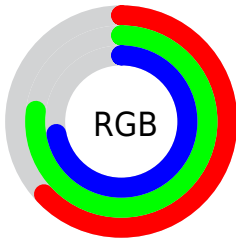
Format	Color
<a href="#">RYB</a>	<a href="#">160, 183, 197</a>
Decimal	<a href="#">10536375</a>
CIELab	<a href="#">76.57, -15.17, 2.93</a>
CIELCh	<a href="#">77, 15.451, 169.059</a>
Yxy	<a href="#">50.8250, 0.2942, 0.3477</a>
Android (android.graphics.Color)	<a href="#">4288726455</a> ( <a href="#">0xFFA0C5B7</a> )
YUV	<a href="#">184.3410, -0.6611, -21.3471</a>
Hunter-Lab	<a href="#">71.2917, -17.0854, 6.3710</a>

# Details

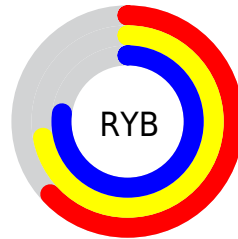
The Yxy color **50.8250, 0.2942, 0.3477** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.0542, 0.3357, 0.3111**, and the grayscale version is **48.1392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5627, 0.2974, 0.3445**, and **24.4448, 0.2893, 0.3529** is the 20% darker color. If you saturate the color by 10%, you get **48.6536, 0.2851, 0.3591**, and if you desaturate by 10%, it is **53.3388, 0.3039, 0.3373**.

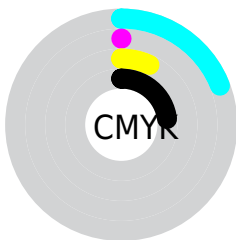
# Distribution



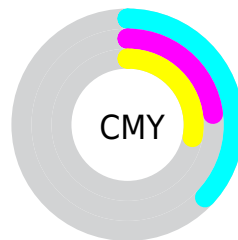
- Red (63%)
- Green (77%)
- Blue (72%)



- Red (63%)
- Yellow (72%)
- Blue (77%)



- Cyan (19%)
- Magenta (0%)
- Yellow (7%)
- Black (23%)




- Cyan (37%)
- Magenta (23%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8250, 0.2942, 0.3477 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 50.8250, 0.2942, 0.3477 by changing the saturation by 10% instead.





 50.8250, 0.2942,  
0.3477

 50.8250, 0.2942,  
0.3477

389.8835, 0.3034,  
0.3384

 36.0694, 0.2919,  
0.3500


 91.3960, 0.2975,  
0.3443

 24.4878, 0.2890,  
0.3530


 117.9802, 0.2988,  
0.3430

 15.6958, 0.2852,  
0.3570


149.2760, 0.2998,  
0.3420

 9.3092, 0.2799,  
0.3625

185.6679, 0.3007,  
0.3410

 4.9434, 0.2720,  
0.3708

227.5402, 0.3015,  
0.3402

 2.2141, 0.2593,  
0.3844

275.2773, 0.3022,

 0.7277, 0.1964,

0.3395

0.4447

329.2636, 0.3028,  
0.3389

0.0000, 0.0000,  
0.0000

50.8250, 0.2942,  
0.3477

50.8250, 0.2942,  
0.3477

48.6536, 0.2851,  
0.3591

53.3388, 0.3039,  
0.3373

46.8028, 0.2768,  
0.3715

56.2030, 0.3139,  
0.3279

45.2582, 0.2697,  
0.3848


59.4332, 0.3240,  
0.3196


44.0017, 0.2641,  
0.3988

63.0422, 0.3341,  
0.3122


43.0132, 0.2603,  
0.4133

66.3790, 0.3412,  
0.3054


 42.2698, 0.2584,  
0.4280


 66.7831, 0.3355,  
0.2981


 41.7449, 0.2585,  
0.4425

 67.2051, 0.3299,  
0.2908

 41.3944, 0.2604,  
0.4568

 67.6450, 0.3243,  
0.2837

 41.3570, 0.2607,  
0.4585

 68.1032, 0.3189,  
0.2768

# Harmonies

## Analogous

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



50.8250, 0.3146, 0.3618



50.8250, 0.2942, 0.3477



50.8250, 0.2791, 0.3284

# Triad

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



50.8250, 0.2942, 0.3477



50.8250, 0.2900, 0.2939



50.8250, 0.3544, 0.3458

# Complementary

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



50.8250, 0.2942, 0.3477



40.0542, 0.3357, 0.3111

# 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.



50.8250, 0.3474, 0.3281



50.8250, 0.2942, 0.3477



50.8250, 0.3097, 0.2989

# Square

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



50.8250, 0.2942, 0.3477



50.8250, 0.2767, 0.2977



50.8250, 0.3309, 0.3112



50.8250, 0.3497, 0.3599



# Rectangle

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



50.8250, 0.2942, 0.3477



50.8250, 0.2738, 0.3157



50.8250, 0.3309, 0.3112



50.8250, 0.3533, 0.3401

# Sweetspot

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



50.8271, 0.2942, 0.3477



96.8458, 0.3066, 0.3347



51.4927, 0.3217, 0.3782



20.6586, 0.3059, 0.3353



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

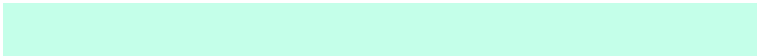


# Same Dimension

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



50.8271, 0.2942, 0.3477



89.1761, 0.2900, 0.3528



49.5044, 0.2845, 0.3232



11.9969, 0.3033, 0.3379



27.2149, 0.2602, 0.4566



1.3024, 0.2519, 0.4268



# Inverse Universe

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



40.0542, 0.3357, 0.3111



65.9873, 0.3427, 0.3065



41.0607, 0.3481, 0.3347



10.7022, 0.3231, 0.3203



8.1522, 0.5444, 0.2773



0.4000, 0.4876, 0.2460



# Previews

## White Background



This preview shows how the Yxy color 50.8250, 0.2942, 0.3477 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 50.8250, 0.2942, 0.3477 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

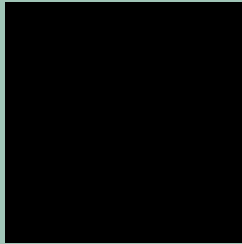
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

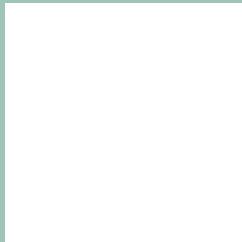
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.8250, 0.2942, 0.3477**

## Background



This preview shows how black text looks on a background with the Yxy color 50.8250, 0.2942, 0.3477.

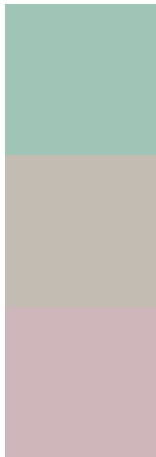


This preview shows how white text looks on a background with the Yxy color 50.8250, 0.2942, 0.3477.

# 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

50.8250, 0.2942, 0.3477

### Protanopia

50.6501, 0.3255, 0.3416

### Deuteranopia

50.2665, 0.3310, 0.3242



## Tritanopia

50.7427, 0.2802, 0.3084

# Trichromacy



**Original Color**

50.8250, 0.2942, 0.3477

**Protanomaly**

50.5020, 0.3137, 0.3432

**Deuteranomaly**

49.9906, 0.3168, 0.3315

**Tritanomaly**

50.5402, 0.2848, 0.3211

# Monochromacy



**Original Color**

50.8250, 0.2942, 0.3477

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

48.9698, 0.3051, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.8250, 0.2942, 0.3477 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(160, 197, 183)` looks like.

```
.text, #text, p{  
    color:rgb(160, 197, 183)  
}
```

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(160, 197, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 197, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 50.8250, 0.2942, 0.3477 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(160, 197, 183) }
```

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

```
.border{ border-color:rgb(160, 197, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 197, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 197, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 197, 183);  
box-shadow:4px 4px 4px 4px rgb(160, 197,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.8250, 0.2942, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 197, 183) }
```

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

```
.background{ background-color: rgb(160,  
197, 183) }
```

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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