

# Converting Colors

$Y_{xy}(44.0040, 0.2464, 0.3342)$

Have a look what the booklet for  
Yxy(44.0040, 0.2464, 0.3342)  
contains.

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# Color

**Yxy(43.9815, 0.2462, 0.3333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59C1BE
RGB	89, 193, 190
RGB Percent	35%, 76%, 75%
CMY	0.6507, 0.2431, 0.2549
CMYK	0.54, 0.00, 0.02, 0.24
HSL	178°, 46%, 55%
HSV	178°, 54%, 76%
XYZ	32.4880, 43.9815, 55.4882
YIQ	161.5620, -61.0210, -22.9810

# Conversions

## Conversions Part 2

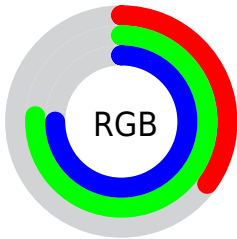
Format	Color
R <sub>Y</sub> B	89, 142, 193
Decimal	5882302
CIE Lab	72.22, -30.65, -7.65
CIE LCh	72, 31.589, 194.023
Yxy	43.9815, 0.2462, 0.3333
Android (android.graphics.Color)	4284072382 (0xFF59C1BE)
YUV	161.5620, 14.0199, -63.6369
Hunter-Lab	66.3185, -28.6143, -3.1845

# Details

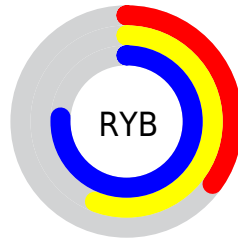
The Yxy color **43.9815, 0.2462, 0.3333** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted spring green. A complement of this color would be **19.2671, 0.4647, 0.3256**, and the grayscale version is **35.8790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2281, 0.2580, 0.3334**, and **20.3569, 0.2276, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **43.1251, 0.2388, 0.3342**, and if you desaturate by 10%, it is **45.0917, 0.2555, 0.3324**.

# Distribution



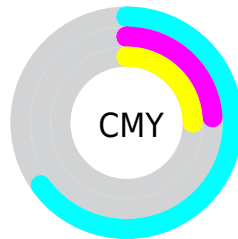
- Red (35%)
- Green (76%)
- Blue (75%)



- Red (35%)
- Yellow (56%)
- Blue (76%)



- Cyan (54%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)




- Cyan (65%)
- Magenta (24%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9815, 0.2462, 0.3333 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 43.9815, 0.2462, 0.3333 by changing the saturation by 10% instead.





 43.9815, 0.2462,  
0.3333


 43.9815, 0.2462,  
0.3333


362.6328, 0.2791,  
0.3318

 30.6560, 0.2381,  
0.3334


 81.1899, 0.2581,  
0.3329


 20.3370, 0.2278,  
0.3335


 105.8416, 0.2626,  
0.3328

 12.6403, 0.2143,  
0.3333


 135.0374, 0.2664,  
0.3326

 7.1813, 0.1959,  
0.3325

 169.1618, 0.2696,  
0.3324

 3.5757, 0.1693,  
0.3304

208.5991, 0.2725,  
0.3323

 1.4392, 0.1219,  
0.3267

253.7338, 0.2750,

 0.2453, 0.0000,

0.3321

0.2342

304.9502, 0.2772,  
0.3320

0.0000, 0.0000,  
0.0000

43.9815, 0.2462,  
0.3333

43.9815, 0.2462,  
0.3333

43.1251, 0.2388,  
0.3342

45.0917, 0.2555,  
0.3324

42.4975, 0.2333,  
0.3352

46.4684, 0.2664,  
0.3315

42.0772, 0.2297,  
0.3361

48.1296, 0.2788,  
0.3307

41.8364, 0.2277,  
0.3370

50.0901, 0.2924,  
0.3300

41.7444, 0.2271,  
0.3376

52.3640, 0.3069,  
0.3293

■ 54.9641, 0.3221,  
0.3286

■ 57.9028, 0.3376,  
0.3281

■ 61.1917, 0.3532,  
0.3276

■ 63.3392, 0.3623,  
0.3271

# Harmonies

## Analogous

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



43.9815, 0.2791, 0.3769



43.9815, 0.2462, 0.3333



43.9815, 0.2309, 0.2923

# Triad

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



43.9815, 0.2462, 0.3333



43.9815, 0.2977, 0.2647



43.9815, 0.3950, 0.3883

# Complementary

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



43.9815, 0.2462, 0.3333



19.2671, 0.4647, 0.3256

# 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.



43.9815, 0.4021, 0.3555



43.9815, 0.2462, 0.3333



43.9815, 0.3436, 0.2871

# Square

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



43.9815, 0.2462, 0.3333



43.9815, 0.2589, 0.2566



43.9815, 0.3829, 0.3193



43.9815, 0.3652, 0.4084



# Rectangle

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



43.9815, 0.2462, 0.3333



43.9815, 0.2317, 0.2725



43.9815, 0.3829, 0.3193



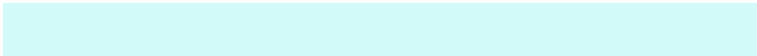
43.9815, 0.4002, 0.3782

# Sweetspot

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



43.9832, 0.2462, 0.3333



88.8220, 0.2890, 0.3301



41.1638, 0.3069, 0.4985



18.8953, 0.2862, 0.3303



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.



43.9832, 0.2462, 0.3333



76.9630, 0.2374, 0.3344



26.0747, 0.2286, 0.2505



11.4233, 0.2988, 0.3296



27.7682, 0.2271, 0.3375



1.2014, 0.2265, 0.3354



# Inverse Universe

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



19.2671, 0.4647, 0.3256



27.9729, 0.5209, 0.3255



30.1128, 0.4292, 0.3937



10.0825, 0.3285, 0.3284



7.5509, 0.6365, 0.3280

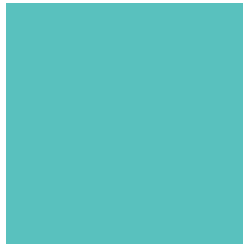


0.3279, 0.6233, 0.3207



# Previews

## White Background



This preview shows how the Yxy color 43.9815, 0.2462, 0.3333 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 43.9815, 0.2462, 0.3333 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

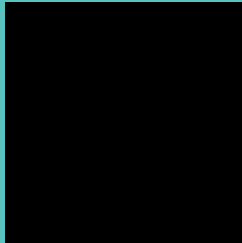
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

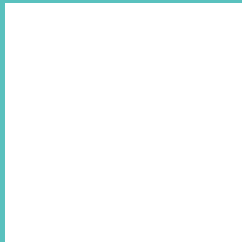
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.9815, 0.2462, 0.3333**

## Background



This preview shows how black text looks on a background with the Yxy color 43.9815, 0.2462, 0.3333.

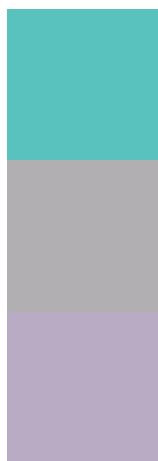


This preview shows how white text looks on a background with the Yxy color 43.9815, 0.2462, 0.3333.

# 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

43.9815, 0.2462, 0.3333

### Protanopia

43.3796, 0.3121, 0.3237

### Deuteranopia

43.2563, 0.3045, 0.2981



## Tritanopia

44.1507, 0.2400, 0.3072

# Trichromacy



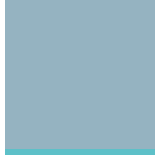
## Original Color

43.9815, 0.2462, 0.3333



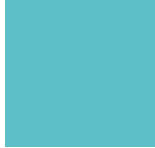
## Protanomaly

42.9858, 0.2829, 0.3275



## Deuteranomaly

42.4800, 0.2779, 0.3095



## Tritanomaly

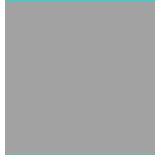
44.1966, 0.2424, 0.3171

# Monochromacy



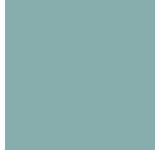
## Original Color

43.9815, 0.2462, 0.3333



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

38.0166, 0.2814, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.9815, 0.2462, 0.3333 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(89, 193, 190)` looks like.

```
.text, #text, p{  
    color:rgb(89, 193, 190)  
}
```

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(89, 193, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 193, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 43.9815, 0.2462, 0.3333 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(89, 193, 190) }
```

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

```
.border{ border-color:rgb(89, 193, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 193, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 193, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 193, 190);  
box-shadow:4px 4px 4px 4px rgb(89, 193,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.9815, 0.2462, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 193, 190) }
```

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

```
.background{ background-color: rgb(89, 193,  
190) }
```

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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