

# Converting Colors

$Y_{xy}(43.6943, 0.2271, 0.3212)$

Have a look what the booklet for  
Yxy(43.6943, 0.2271, 0.3212)  
contains.

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# Color

**Yxy(43.6926, 0.2271, 0.3212)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2AC3C8
RGB	42, 195, 200
RGB Percent	16%, 76%, 78%
CMY	0.8355, 0.2353, 0.2157
CMYK	0.79, 0.02, 0.00, 0.22
HSL	182°, 65%, 47%
HSV	182°, 79%, 78%
XYZ	30.8922, 43.6926, 61.4444
YIQ	149.8230, -92.7930, -30.8810

# Conversions

## Conversions Part 2

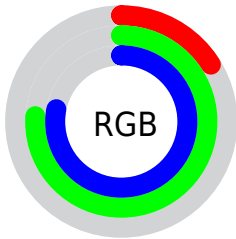
Format	Color
R <sub>Y</sub> B	42, 120, 200
Decimal	2802632
CIE Lab	72.02, -35.63, -13.51
CIE LCh	72, 38.108, 200.765
Yxy	43.6926, 0.2271, 0.3212
Android (android.graphics.Color)	4280992712 (0xFF2AC3C8)
YUV	149.8230, 24.7373, -94.5608
Hunter-Lab	66.1004, -32.2531, -8.8435




# Details

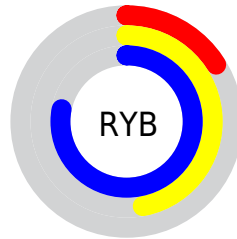
The Yxy color **43.6926, 0.2271, 0.3212** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **14.4721, 0.5822, 0.3337**, and the grayscale version is **30.3358, 0.3127, 0.3290**.




A 20% lighter version of the original color is **80.6227, 0.2429, 0.3253**, and **21.1251, 0.2218, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **43.0910, 0.2239, 0.3202**, and if you desaturate by 10%, it is **44.5088, 0.2322, 0.3223**.

# Distribution







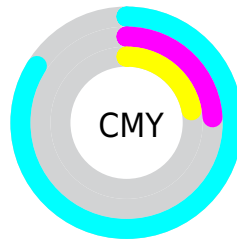
-  Red (16%)
-  Green (76%)
-  Blue (78%)






-  Red (16%)
-  Yellow (47%)
-  Blue (78%)



-  Cyan (79%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (22%)




-  Cyan (84%)
-  Magenta (24%)
-  Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6926, 0.2271, 0.3212 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 43.6926, 0.2271, 0.3212 by changing the saturation by 10% instead.





 43.6926, 0.2271,  
0.3212

 43.6926, 0.2271,  
0.3212


361.4524, 0.2690,  
0.3265


 30.4289, 0.2170,  
0.3195


 80.7550, 0.2421,  
0.3234

 20.1644, 0.2043,  
0.3170


 105.3225, 0.2478,  
0.3242

 12.5146, 0.1878,  
0.3133


 134.4267, 0.2527,  
0.3248

 7.0952, 0.1658,  
0.3074

 168.4520, 0.2568,  
0.3252

 3.5217, 0.1353,  
0.2971

 207.7828, 0.2605,  
0.3256

 1.4098, 0.0787,  
0.2808

252.8036, 0.2637,

 0.2239, 0.0000,

0.3260

0.1566

303.8986, 0.2665,  
0.3262

■ 0.0000, 0.0000,  
0.0000

■ 43.6926, 0.2271,  
0.3212

■ 43.6926, 0.2271,  
0.3212

■ 43.0910, 0.2239,  
0.3202

■ 44.5088, 0.2322,  
0.3223

■ 42.6527, 0.2221,  
0.3191

■ 45.5622, 0.2391,  
0.3233

■ 42.6130, 0.2220,  
0.3191

■ 46.8780, 0.2480,  
0.3244

■ 48.4767, 0.2586,  
0.3254

■ 50.3770, 0.2708,  
0.3264

■ 52.5958, 0.2844,  
0.3274

■ 55.1489, 0.2989,  
0.3283

■ 58.0508, 0.3142,  
0.3291

■ 61.3155, 0.3300,  
0.3298

# Harmonies

## Analogous

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



43.6926, 0.2615, 0.3763



43.6926, 0.2271, 0.3212



43.6926, 0.2147, 0.2750

# Triad

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



43.6926, 0.2271, 0.3212



43.6926, 0.3064, 0.2574



43.6926, 0.4053, 0.4064

# Complementary

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



43.6926, 0.2271, 0.3212



14.4721, 0.5822, 0.3337

# 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.



43.6926, 0.4215, 0.3687



43.6926, 0.2271, 0.3212



43.6926, 0.3618, 0.2867

# Square

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



43.6926, 0.2271, 0.3212



43.6926, 0.2571, 0.2436



43.6926, 0.4056, 0.3260



43.6926, 0.3643, 0.4273



# Rectangle

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



43.6926, 0.2271, 0.3212



43.6926, 0.2192, 0.2551



43.6926, 0.4056, 0.3260



43.6926, 0.4140, 0.3950

# Sweetspot

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



43.6942, 0.2271, 0.3212



88.9571, 0.2770, 0.3269



41.9828, 0.3006, 0.5717



18.7526, 0.2722, 0.3265



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.



43.6942, 0.2271, 0.3212



74.0438, 0.2225, 0.3194



17.6956, 0.1930, 0.1909



12.0079, 0.2984, 0.3282



27.1227, 0.2220, 0.3192



1.3027, 0.2226, 0.3213



# Inverse Universe

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



17.8704, 0.3266, 0.1692



28.2790, 0.3286, 0.1596



26.7603, 0.4917, 0.4191



10.8106, 0.3143, 0.3069



10.2780, 0.3289, 0.1585

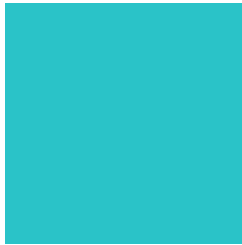


0.4885, 0.3271, 0.1576



# Previews

## White Background



This preview shows how the Yxy color 43.6926, 0.2271, 0.3212 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 43.6926, 0.2271, 0.3212 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

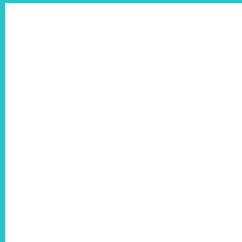
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.6926, 0.2271, 0.3212**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.6926, 0.2271, 0.3212.

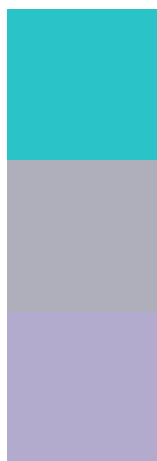


This preview shows how white text looks on a background with the Yxy color 43.6926, 0.2271, 0.3212.

# 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

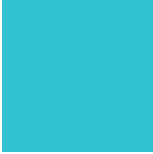
43.6926, 0.2271, 0.3212

### Protanopia

42.9739, 0.3031, 0.3117

### Deuteranopia

42.9986, 0.2916, 0.2854



## Tritanopia

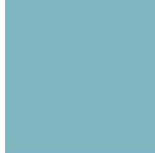
43.8651, 0.2245, 0.3066

# Trichromacy



## Original Color

43.6926, 0.2271, 0.3212



## Protanomaly

41.7737, 0.2634, 0.3144



## Deuteranomaly

41.6214, 0.2575, 0.2964



## Tritanomaly

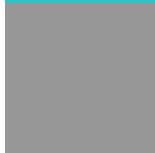
43.6441, 0.2251, 0.3109

# Monochromacy



## Original Color

43.6926, 0.2271, 0.3212



## Achromatopsia

30.4987, 0.3127, 0.3290



## Achromatomaly

33.4791, 0.2651, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.6926, 0.2271, 0.3212 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(42, 195, 200)` looks like.

```
.text, #text, p{  
  color:rgb(42, 195, 200)  
}
```

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(42, 195, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 195, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 43.6926, 0.2271, 0.3212 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(42, 195, 200) }
```

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

```
.border{ border-color:rgb(42, 195, 200) }
```

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

Here you see how a box with a 4 pixel rgb(42, 195, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 195, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 195, 200);  
box-shadow:4px 4px 4px 4px rgb(42, 195,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.6926, 0.2271, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 195, 200) }
```

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

```
.background{ background-color: rgb(42, 195,  
200) }
```

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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