

Converting Colors

$Y_{xy}(43.0322, 0.2312, 0.3309)$

Have a look what the booklet for
Yxy(43.0322, 0.2312, 0.3309)
contains.

Yxy(43.0382, 0.2309, 0.3303)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.0382, 0.2309, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	2FC2C1
RGB	47, 194, 193
RGB Percent	18%, 76%, 76%
CMY	0.8161, 0.2392, 0.2431
CMYK	0.76, 0.00, 0.01, 0.24
HSL	180°, 61%, 47%
HSV	180°, 76%, 76%
XYZ	30.0863, 43.0382, 57.1758
YIQ	149.9330, -87.2910, -31.4750

Conversions

Conversions Part 2

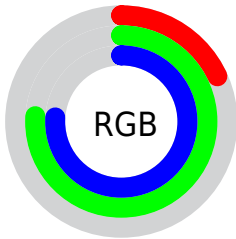
Format	Color
RYB	47, 121, 194
Decimal	3130049
CIELab	71.58, -36.75, -10.35
CIElCh	72, 38.176, 195.735
Yxy	43.0382, 0.2309, 0.3303
Android (android.graphics.Color)	4281320129 (0xFF2FC2C1)
YUV	149.9330, 21.2320, -90.2722
Hunter-Lab	65.6035, -32.9445, -5.7509

Details

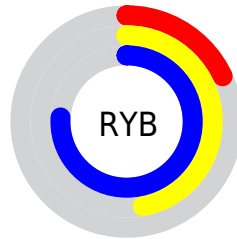
The Yxy color **43.0382, 0.2309, 0.3303** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **13.7083, 0.5709, 0.3289**, and the grayscale version is **30.3945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6855, 0.2455, 0.3311**, and **20.6496, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **42.6718, 0.2275, 0.3305**, and if you desaturate by 10%, it is **43.6125, 0.2362, 0.3301**.

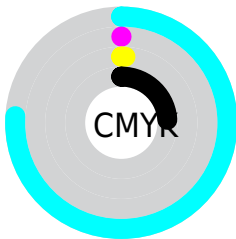
Distribution



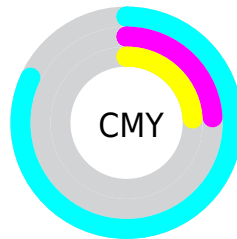
- Red (18%)
- Green (76%)
- Blue (76%)



- Red (18%)
- Yellow (47%)
- Blue (76%)



- Cyan (76%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)





- Cyan (82%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.0382, 0.2309, 0.3303 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 43.0382, 0.2309, 0.3303 by changing the saturation by 10% instead.


 43.0382, 0.2309,
0.3303


 43.0382, 0.2309,
0.3303


358.7688, 0.2713,
0.3308


 29.9151, 0.2211,
0.3298


 79.7685, 0.2454,
0.3307

 19.7741, 0.2086,
0.3290


 104.1445, 0.2509,
0.3308

 12.2310, 0.1924,
0.3274


 133.0402, 0.2556,
0.3309

 6.9012, 0.1706,
0.3246

 166.8401, 0.2596,
0.3309

 3.4004, 0.1400,
0.3187

 205.9285, 0.2631,
0.3309

 1.3442, 0.0746,
0.3120

250.6898, 0.2661,

 0.1750, 0.0000,

0.3309

0.1607

301.5085, 0.2688,
0.3308

■ 0.0000, 0.0000,
0.0000

■ 43.0382, 0.2309,
0.3303

■ 43.0382, 0.2309,
0.3303

■ 42.6718, 0.2275,
0.3305

■ 43.6125, 0.2362,
0.3301

■ 42.4783, 0.2257,
0.3307

■ 44.4140, 0.2433,
0.3299

■ 42.4235, 0.2252,
0.3308

■ 45.4651, 0.2524,
0.3297

■ 46.7843, 0.2632,
0.3295

■ 48.3882, 0.2755,
0.3294

■ 50.2923, 0.2892,
0.3292

■ 52.5108, 0.3038,
0.3291

■ 55.0569, 0.3192,
0.3290

■ 57.9434, 0.3350,
0.3289

Harmonies

Analogous

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



43.0382, 0.2688, 0.3853



43.0382, 0.2309, 0.3303



43.0382, 0.2145, 0.2811

Triad

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



43.0382, 0.2309, 0.3303



43.0382, 0.2971, 0.2535



43.0382, 0.4107, 0.4013

Complementary

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



43.0382, 0.2309, 0.3303



13.7083, 0.5709, 0.3289

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.



43.0382, 0.4219, 0.3618



43.0382, 0.2309, 0.3303



43.0382, 0.3531, 0.2806

Square

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



43.0382, 0.2309, 0.3303



43.0382, 0.2500, 0.2425



43.0382, 0.4005, 0.3189



43.0382, 0.3727, 0.4262

Rectangle

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



43.0382, 0.2309, 0.3303



43.0382, 0.2165, 0.2587



43.0382, 0.4005, 0.3189



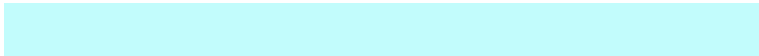
43.0382, 0.4179, 0.3891

Sweetspot

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



43.0398, 0.2309, 0.3303



88.4560, 0.2788, 0.3293



39.4536, 0.3025, 0.5658



19.1123, 0.2739, 0.3294



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.



43.0398, 0.2309, 0.3303



77.0403, 0.2262, 0.3306



18.6403, 0.1991, 0.2064



11.4273, 0.2985, 0.3291



27.8901, 0.2252, 0.3308



1.2054, 0.2251, 0.3303

Inverse Universe

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



13.7083, 0.5709, 0.3289



21.4485, 0.6264, 0.3295



24.6326, 0.4893, 0.4122



10.0790, 0.3288, 0.3289



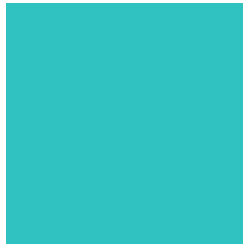
7.5432, 0.6392, 0.3295



0.3263, 0.6360, 0.3277

Previews

White Background



This preview shows how the Yxy color 43.0382, 0.2309, 0.3303 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 43.0382, 0.2309, 0.3303 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

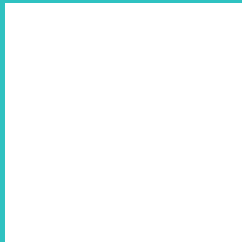
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.0382, 0.2309, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 43.0382, 0.2309, 0.3303.

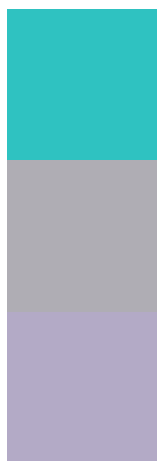


This preview shows how white text looks on a background with the Yxy color 43.0382, 0.2309, 0.3303.

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

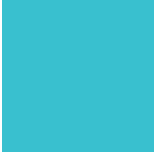
43.0382, 0.2309, 0.3303

Protanopia

42.2964, 0.3087, 0.3196

Deuteranopia

42.4104, 0.2978, 0.2927



Tritanopia

43.0741, 0.2263, 0.3065

Trichromacy



Original Color

43.0382, 0.2309, 0.3303



Protanomaly

41.1397, 0.2684, 0.3230



Deuteranomaly

41.0510, 0.2630, 0.3046



Tritanomaly

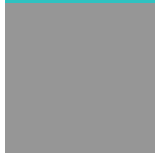
43.1611, 0.2279, 0.3152

Monochromacy



Original Color

43.0382, 0.2309, 0.3303



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

33.5363, 0.2680, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.0382, 0.2309, 0.3303 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(47, 194, 193)` looks like.

```
.text, #text, p{  
    color:rgb(47, 194, 193)  
}
```

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(47, 194, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 194, 193) }
```

Border

The CSS property to change the border of an element to Yxy 43.0382, 0.2309, 0.3303 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(47, 194, 193) }
```

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

```
.border{ border-color:rgb(47, 194, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 194, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 194, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 194, 193);  
box-shadow:4px 4px 4px 4px rgb(47, 194,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 43.0382, 0.2309, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 194, 193) }
```

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

```
.background{ background-color: rgb(47, 194,  
193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor