

Converting Colors

$Y_{xy}(47.3002, 0.2357, 0.3528)$

Have a look what the booklet for
Yxy(47.3002, 0.2357, 0.3528)
contains.

Yxy(47.2880, 0.2359, 0.3531)	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(47.2880, 0.2359, 0.3531)

Conversions

Conversions Part 1

Format	Color
Hex	29CCBC
RGB	41, 204, 188
RGB Percent	16%, 80%, 74%
CMY	0.8382, 0.2000, 0.2627
CMYK	0.80, 0.00, 0.08, 0.20
HSL	174°, 66%, 48%
HSV	174°, 80%, 80%
XYZ	31.5923, 47.2880, 55.0421
YIQ	153.4390, -92.0120, -39.5320

Conversions

Conversions Part 2

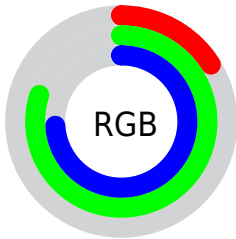
Format	Color
RYB	41, 127, 204
Decimal	2739388
CIELab	74.37, -43.19, -3.51
CIELCh	74, 43.332, 184.640
Yxy	47.2880, 0.2359, 0.3531
Android (android.graphics.Color)	4280929468 (0xFF29CCBC)
YUV	153.4390, 17.0386, -98.6090
Hunter-Lab	68.7663, -38.3353, 0.6793

Details

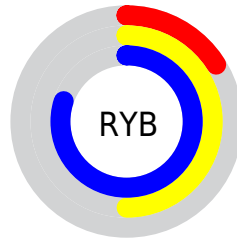
The Yxy color **47.2880, 0.2359, 0.3531** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **14.7382, 0.5683, 0.3167**, and the grayscale version is **32.0448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7647, 0.2478, 0.3417**, and **23.2442, 0.2327, 0.3577** is the 20% darker color. If you saturate the color by 10%, you get **46.8851, 0.2339, 0.3565**, and if you desaturate by 10%, it is **47.9132, 0.2398, 0.3497**.

Distribution



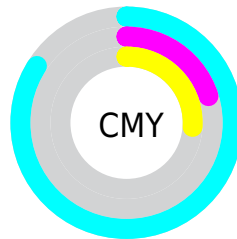
- Red (16%)
- Green (80%)
- Blue (74%)



- Red (16%)
- Yellow (50%)
- Blue (80%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (20%)





- Cyan (84%)
- Magenta (20%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2880, 0.2359, 0.3531 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 47.2880, 0.2359, 0.3531 by changing the saturation by 10% instead.


 47.2880, 0.2359,
0.3531


 47.2880, 0.2359,
0.3531


375.9629, 0.2736,
0.3417

 33.2634, 0.2268,
0.3557


 86.1434, 0.2494,
0.3491


 22.3283, 0.2152,
0.3590


 111.7429, 0.2545,
0.3476

 14.0983, 0.2002,
0.3631


 141.9695, 0.2589,
0.3462

 8.1891, 0.1800,
0.3684

 177.2076, 0.2626,
0.3451

 4.2162, 0.1515,
0.3751

 217.8417, 0.2659,
0.3441

 1.7952, 0.0990,
0.3880

264.2559, 0.2688,

 0.4842, 0.0000,

0.3432

0.3854

316.8349, 0.2713,
0.3424

■ 0.0000, 0.0000,
0.0000

■ 47.2880, 0.2359,
0.3531

■ 47.2880, 0.2359,
0.3531

■ 46.8851, 0.2339,
0.3565

■ 47.9132, 0.2398,
0.3497

■ 46.6455, 0.2333,
0.3598

■ 48.7848, 0.2456,
0.3464

■ 46.6406, 0.2333,
0.3599

■ 49.9294, 0.2533,
0.3431

■ 51.3690, 0.2627,
0.3399

■ 53.1230, 0.2737,
0.3369

■ 55.2095, 0.2859,
0.3340

■ 57.6451, 0.2991,
0.3314

■ 60.4452, 0.3130,
0.3289

■ 63.6244, 0.3274,
0.3268

Harmonies

Analogous

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



47.2880, 0.2840, 0.4105



47.2880, 0.2359, 0.3531



47.2880, 0.2094, 0.2938

Triad

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



47.2880, 0.2359, 0.3531



47.2880, 0.2744, 0.2402



47.2880, 0.4286, 0.3922

Complementary

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



47.2880, 0.2359, 0.3531



14.7382, 0.5683, 0.3167

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.



47.2880, 0.4283, 0.3465



47.2880, 0.2359, 0.3531



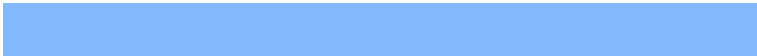
47.2880, 0.3340, 0.2636

Square

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



47.2880, 0.2359, 0.3531



47.2880, 0.2300, 0.2356



47.2880, 0.3925, 0.3012



47.2880, 0.3960, 0.4280

Rectangle

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



47.2880, 0.2359, 0.3531



47.2880, 0.2055, 0.2639



47.2880, 0.3925, 0.3012



47.2880, 0.4326, 0.3774

Sweetspot

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



47.2898, 0.2359, 0.3531



89.8017, 0.2802, 0.3353



44.2295, 0.3066, 0.5718



18.9602, 0.2759, 0.3363



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.



47.2898, 0.2359, 0.3531



77.3527, 0.2334, 0.3589



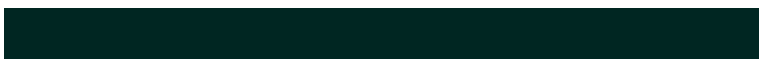
23.2724, 0.2007, 0.2220



12.7073, 0.2996, 0.3313



29.3665, 0.2332, 0.3594



1.5206, 0.2314, 0.3529

Inverse Universe

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



14.7382, 0.5683, 0.3167



21.5984, 0.6239, 0.3236



23.3794, 0.5177, 0.3969



11.2313, 0.3275, 0.3268



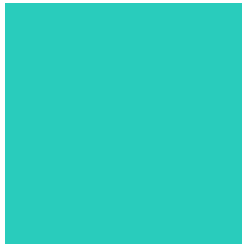
8.1183, 0.6276, 0.3231



0.4251, 0.5921, 0.3035

Previews

White Background



This preview shows how the Yxy color 47.2880, 0.2359, 0.3531 looks on a white background.

Color Contrast Check

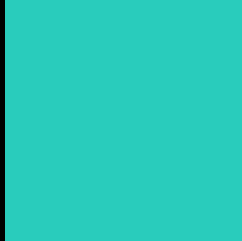
Large Text (above 18pt) WCAG AA × Fail

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 47.2880, 0.2359, 0.3531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

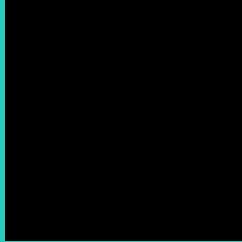
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

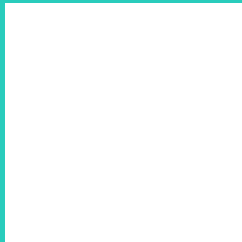
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2880, 0.2359, 0.3531

Background



This preview shows how black text looks on a background with the Yxy color 47.2880, 0.2359, 0.3531.

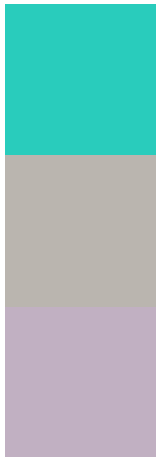


This preview shows how white text looks on a background with the Yxy color 47.2880, 0.2359, 0.3531.

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

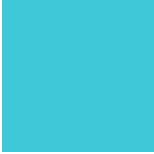
47.2880, 0.2359, 0.3531

Protanopia

46.5820, 0.3219, 0.3368

Deuteranopia

46.2832, 0.3129, 0.3065



Tritanopia

47.2906, 0.2267, 0.3059

Trichromacy



Original Color

47.2880, 0.2359, 0.3531



Protanomaly

44.6770, 0.2763, 0.3419



Deuteranomaly

44.3269, 0.2715, 0.3204



Tritanomaly

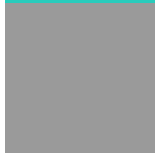
47.0138, 0.2294, 0.3214

Monochromacy



Original Color

47.2880, 0.2359, 0.3531



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

35.7689, 0.2691, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2880, 0.2359, 0.3531 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(41, 204, 188)` looks like.

```
.text, #text, p{  
    color:rgb(41, 204, 188)  
}
```

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(41, 204, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 204, 188) }
```

Border

The CSS property to change the border of an element to Yxy 47.2880, 0.2359, 0.3531 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(41, 204, 188) }
```

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

```
.border{ border-color:rgb(41, 204, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 204, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 204, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 204, 188);  
box-shadow:4px 4px 4px 4px rgb(41, 204,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2880, 0.2359, 0.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 204, 188) }
```

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

```
.background{ background-color: rgb(41, 204,  
188) }
```

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