

Converting Colors

$Y_{xy}(37.7079, 0.1771, 0.3556)$

Have a look what the booklet for
Yxy(37.7079, 0.1771, 0.3556)
contains.

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Color

Yxy(42.3255, 0.2313, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	00C3B4
RGB	0, 195, 180
RGB Percent	0%, 76%, 71%
CMY	1.0000, 0.2353, 0.2940
CMYK	1.00, 0.00, 0.08, 0.24
HSL	175°, 100%, 38%
HSV	175°, 100%, 76%
XYZ	27.7491, 42.3255, 49.8956
YIQ	134.9850, -111.4050, -46.0050

Conversions

Conversions Part 2

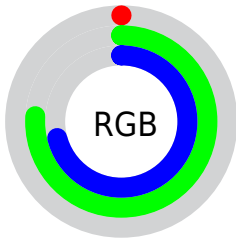
Format	Color
RYB	0, 101, 195
Decimal	50100
CIELab	71.09, -43.71, -4.03
CIELCh	71, 43.898, 185.267
Yxy	42.3255, 0.2313, 0.3528
Android (android.graphics.Color)	4278240180 (0xFF00C3B4)
YUV	134.9850, 22.1924, -118.3818
Hunter-Lab	65.0581, -37.7162, 0.0688

Details

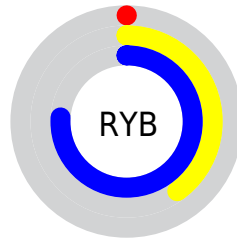
The Yxy color **42.3255, 0.2313, 0.3528** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.6379, 0.6322, 0.3256**, and the grayscale version is **24.1727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5017, 0.2458, 0.3481**, and **20.2885, 0.2326, 0.3572** is the 20% darker color. If you saturate the color by 10%, you get **42.3307, 0.2313, 0.3528**, and if you desaturate by 10%, it is **42.5357, 0.2321, 0.3502**.

Distribution



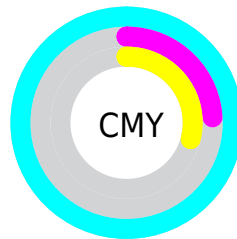
- Red (0%)
- Green (76%)
- Blue (71%)



- Red (0%)
- Yellow (40%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3255, 0.2313, 0.3528 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 42.3255, 0.2313, 0.3528 by changing the saturation by 10% instead.


 42.3255, 0.2313,
0.3528


 42.3255, 0.2313,
0.3528


355.8305, 0.2719,
0.3414

 29.3563, 0.2213,
0.3554


 78.6920, 0.2460,
0.3488

 19.3505, 0.2085,
0.3587


 102.8581, 0.2515,
0.3473


 11.9238, 0.1918,
0.3628


 131.5252, 0.2562,
0.3459

 6.6918, 0.1689,
0.3679

 165.0778, 0.2602,
0.3448

 3.2701, 0.1364,
0.3742

 203.9002, 0.2637,
0.3438

 1.2743, 0.0318,
0.4042

248.3769, 0.2668,

 0.1212, 0.0000,

0.3429

0.2266

298.8922, 0.2695,
0.3421

■ 0.0000, 0.0000,
0.0000

■ 42.3255, 0.2313,
0.3528

■ 42.3255, 0.2313,
0.3528

■ 42.3307, 0.2313,
0.3528

■ 42.5357, 0.2321,
0.3502

■ 42.8856, 0.2343,
0.3477

■ 43.4317, 0.2383,
0.3451

■ 44.2004, 0.2443,
0.3425

■ 45.2138, 0.2521,
0.3399

■ 46.4917, 0.2616,
0.3375

■ 48.0516, 0.2727,
0.3351

■ 49.9097, 0.2851,
0.3329

■ 52.0808, 0.2986,
0.3309

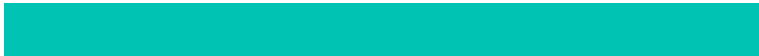
Harmonies

Analogous

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



42.3255, 0.2810, 0.4141



42.3255, 0.2313, 0.3528



42.3255, 0.2044, 0.2905

Triad

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



42.3255, 0.2313, 0.3528



42.3255, 0.2736, 0.2366



42.3255, 0.4338, 0.3955

Complementary

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



42.3255, 0.2313, 0.3528



11.6379, 0.6322, 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.



42.3255, 0.4346, 0.3478



42.3255, 0.2313, 0.3528



42.3255, 0.3363, 0.2614

Square

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



42.3255, 0.2313, 0.3528



42.3255, 0.2269, 0.2312



42.3255, 0.3977, 0.3006



42.3255, 0.3987, 0.4333

Rectangle

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



42.3255, 0.2313, 0.3528



42.3255, 0.2007, 0.2597



42.3255, 0.3977, 0.3006



42.3255, 0.4384, 0.3801

Sweetspot

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



42.3307, 0.2313, 0.3528



85.9099, 0.2722, 0.3352



39.1471, 0.3018, 0.5986



18.5387, 0.2673, 0.3362



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.



42.3307, 0.2313, 0.3528



75.7893, 0.2314, 0.3532



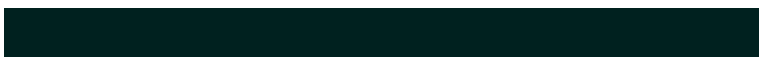
15.9202, 0.1850, 0.1859



11.4147, 0.2994, 0.3308



27.5152, 0.2312, 0.3524



1.1929, 0.2296, 0.3467

Inverse Universe

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



11.6379, 0.6322, 0.3256



20.8280, 0.6339, 0.3266



17.5261, 0.5655, 0.3892



10.0902, 0.3277, 0.3273



7.5682, 0.6305, 0.3247



0.3314, 0.5979, 0.3067

Previews

White Background



This preview shows how the Yxy color 42.3255, 0.2313, 0.3528 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 42.3255, 0.2313, 0.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

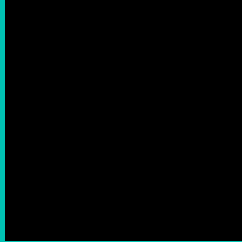
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

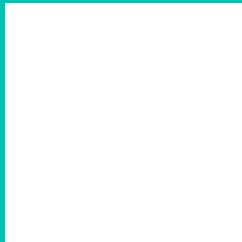
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3255, 0.2313, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 42.3255, 0.2313, 0.3528.

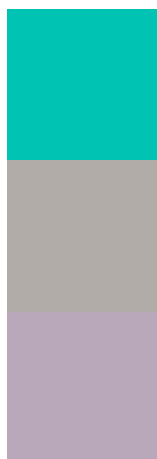


This preview shows how white text looks on a background with the Yxy color 42.3255, 0.2313, 0.3528.

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

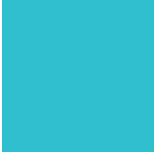
42.3255, 0.2313, 0.3528

Protanopia

41.6422, 0.3215, 0.3358

Deuteranopia

41.7408, 0.3120, 0.3055



Tritanopia

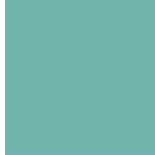
42.3709, 0.2235, 0.3048

Trichromacy



Original Color

42.3255, 0.2313, 0.3528



Protanomaly

39.1318, 0.2666, 0.3412



Deuteranomaly

39.0834, 0.2611, 0.3198



Tritanomaly

42.0065, 0.2252, 0.3210

Monochromacy



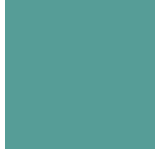
Original Color

42.3255, 0.2313, 0.3528



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.3267, 0.2575, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3255, 0.2313, 0.3528 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(0, 195, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 180)  
}
```

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(0, 195, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 180) }
```

Border

The CSS property to change the border of an element to Yxy 42.3255, 0.2313, 0.3528 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(0, 195, 180) }
```

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

```
.border{ border-color:rgb(0, 195, 180) }
```

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

Here you see how a box with a 4 pixel rgb(0, 195, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3255, 0.2313, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 180) }
```

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

```
.background{ background-color: rgb(0, 195,  
180) }
```

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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