

Converting Colors

$Y_{xy}(33.7893, 0.1173, 0.3656)$

Have a look what the booklet for
Yxy(33.7893, 0.1173, 0.3656)
contains.

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Color

Yxy(42.2045, 0.2327, 0.3578)

Conversions

Conversions Part 1

Format	Color
Hex	00C3B1
RGB	0, 195, 177
RGB Percent	0%, 76%, 69%
CMY	1.0000, 0.2353, 0.3058
CMYK	1.00, 0.00, 0.09, 0.24
HSL	174°, 100%, 38%
HSV	174°, 100%, 76%
XYZ	27.4483, 42.2045, 48.3028
YIQ	134.6430, -110.4420, -46.9380

Conversions

Conversions Part 2

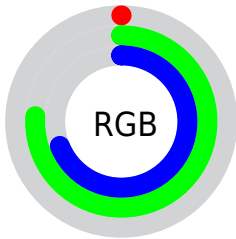
Format	Color
RYB	0, 102, 195
Decimal	50097
CIELab	71.01, -44.56, -2.51
CIELCh	71, 44.628, 183.229
Yxy	42.2045, 0.2327, 0.3578
Android (android.graphics.Color)	4278240177 (0xFF00C3B1)
YUV	134.6430, 20.8820, -118.0819
Hunter-Lab	64.9650, -38.2710, 1.3922

Details

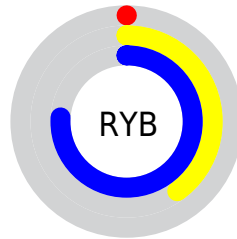
The Yxy color **42.2045, 0.2327, 0.3578** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.6467, 0.6301, 0.3245**, and the grayscale version is **24.0437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3288, 0.2470, 0.3518**, and **20.2368, 0.2338, 0.3618** is the 20% darker color. If you saturate the color by 10%, you get **42.2086, 0.2327, 0.3578**, and if you desaturate by 10%, it is **42.4244, 0.2334, 0.3547**.

Distribution



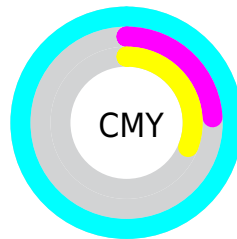
- Red (0%)
- Green (76%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2045, 0.2327, 0.3578 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 42.2045, 0.2327, 0.3578 by changing the saturation by 10% instead.


 42.2045, 0.2327,
0.3578


 42.2045, 0.2327,
0.3578


355.3300, 0.2727,
0.3437

 29.2615, 0.2228,
0.3612


 78.5090, 0.2472,
0.3528

 19.2787, 0.2101,
0.3654


 102.6393, 0.2527,
0.3509

 11.8718, 0.1934,
0.3709


 131.2675, 0.2573,
0.3492

 6.6565, 0.1706,
0.3781

 164.7779, 0.2613,
0.3478

 3.2482, 0.1380,
0.3878

 203.5549, 0.2647,
0.3466

 1.2626, 0.0241,
0.4290

247.9830, 0.2677,

 0.1120, 0.0000,

0.3455

0.2734

298.4466, 0.2704,
0.3446

■ 0.0000, 0.0000,
0.0000

■ 42.2045, 0.2327,
0.3578

■ 42.2045, 0.2327,
0.3578

■ 42.2086, 0.2327,
0.3578

■ 42.4244, 0.2334,
0.3547

■ 42.7854, 0.2355,
0.3516

■ 43.3428, 0.2394,
0.3484

■ 44.1231, 0.2452,
0.3453

■ 45.1484, 0.2529,
0.3422

■ 46.4385, 0.2623,
0.3392

■ 48.0109, 0.2733,
0.3364

■ 49.8817, 0.2855,
0.3337

■ 52.0659, 0.2988,
0.3313

Harmonies

Analogous

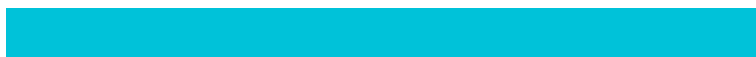
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.2045, 0.2844, 0.4192



42.2045, 0.2327, 0.3578



42.2045, 0.2037, 0.2935

Triad

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



42.2045, 0.2327, 0.3578



42.2045, 0.2691, 0.2342



42.2045, 0.4371, 0.3932

Complementary

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



42.2045, 0.2327, 0.3578



11.6467, 0.6301, 0.3245

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.



42.2045, 0.4354, 0.3446



42.2045, 0.2327, 0.3578



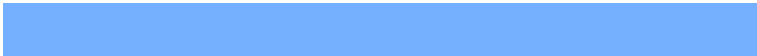
42.2045, 0.3321, 0.2581

Square

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



42.2045, 0.2327, 0.3578



42.2045, 0.2232, 0.2301



42.2045, 0.3954, 0.2971



42.2045, 0.4033, 0.4329

Rectangle

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



42.2045, 0.2327, 0.3578



42.2045, 0.1989, 0.2612



42.2045, 0.3954, 0.2971



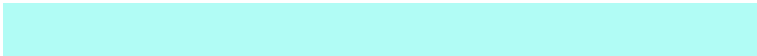
42.2045, 0.4410, 0.3774

Sweetspot

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



42.2086, 0.2327, 0.3578



85.8384, 0.2728, 0.3365



39.1771, 0.3023, 0.5982



18.5209, 0.2679, 0.3377



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.



42.2086, 0.2327, 0.3578



75.5699, 0.2329, 0.3583



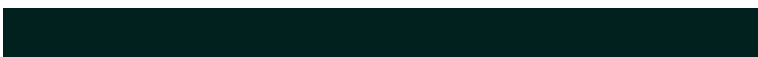
16.6641, 0.1866, 0.1918



11.4119, 0.2996, 0.3311



27.4376, 0.2326, 0.3574



1.1903, 0.2307, 0.3504

Inverse Universe

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



11.6467, 0.6301, 0.3245



20.8426, 0.6320, 0.3255



17.0523, 0.5703, 0.3854



10.0926, 0.3275, 0.3269



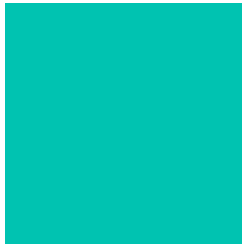
7.5747, 0.6282, 0.3234



0.3325, 0.5903, 0.3025

Previews

White Background



This preview shows how the Yxy color 42.2045, 0.2327, 0.3578 looks on a white background.

Color Contrast Check

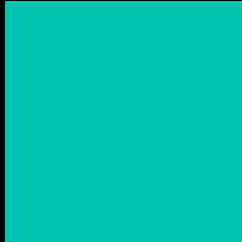
Large Text (above 18pt) WCAG AA × Fail

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 42.2045, 0.2327, 0.3578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

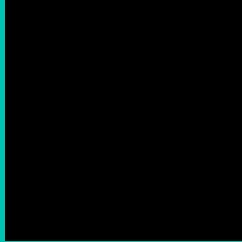
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

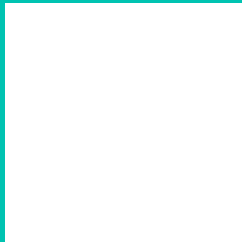
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2045, 0.2327, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 42.2045, 0.2327, 0.3578.

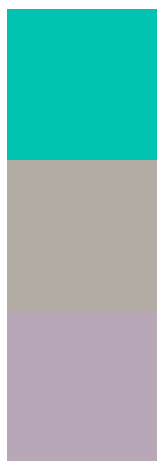


This preview shows how white text looks on a background with the Yxy color 42.2045, 0.2327, 0.3578.

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

42.2045, 0.2327, 0.3578

Protanopia

41.6504, 0.3249, 0.3399

Deuteranopia

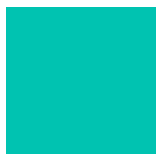
41.2467, 0.3146, 0.3080



Tritanopia

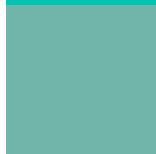
42.3708, 0.2244, 0.3063

Trichromacy



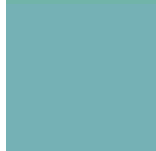
Original Color

42.2045, 0.2327, 0.3578



Protanomaly

39.0178, 0.2686, 0.3460



Deuteranomaly

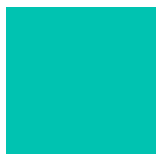
38.5624, 0.2628, 0.3228



Tritanomaly

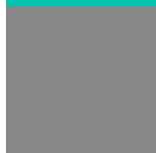
41.9307, 0.2262, 0.3241

Monochromacy



Original Color

42.2045, 0.2327, 0.3578



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.2944, 0.2582, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2045, 0.2327, 0.3578 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 177) }
```

Border

The CSS property to change the border of an element to Yxy 42.2045, 0.2327, 0.3578 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, 177) }
```

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

```
.border{ border-color:rgb(0, 195, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2045, 0.2327, 0.3578 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, 177) }
```

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

```
.background{ background-color: rgb(0, 195,  
177) }
```

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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