

Converting Colors

$Y_{xy}(49.3737, 0.2327, 0.3575)$

Have a look what the booklet for
Yxy(49.3737, 0.2327, 0.3575)
contains.

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Color

Yxy(49.3251, 0.2327, 0.3575)

Conversions

Conversions Part 1

Format	Color
Hex	01D1BE
RGB	1, 209, 190
RGB Percent	0%, 82%, 75%
CMY	0.9962, 0.1804, 0.2549
CMYK	1.00, 0.00, 0.09, 0.18
HSL	175°, 99%, 41%
HSV	175°, 100%, 82%
XYZ	32.1062, 49.3251, 56.5411
YIQ	144.6420, -117.8690, -50.0050

Conversions

Conversions Part 2

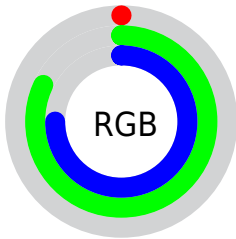
Format	Color
RYB	1, 110, 209
Decimal	119230
CIELab	75.65, -46.84, -2.73
CIELCh	76, 46.917, 183.339
Yxy	49.3251, 0.2327, 0.3575
Android (android.graphics.Color)	4278309310 (0xFF01D1BE)
YUV	144.6420, 22.3615, -125.9740
Hunter-Lab	70.2318, -41.3053, 1.4301

Details

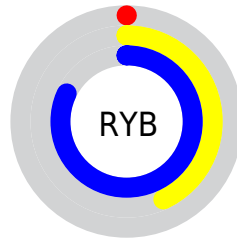
The Yxy color **49.3251, 0.2327, 0.3575** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **13.6273, 0.6300, 0.3248**, and the grayscale version is **28.1025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2380, 0.2437, 0.3394**, and **24.9173, 0.2342, 0.3631** is the 20% darker color. If you saturate the color by 10%, you get **49.3169, 0.2327, 0.3576**, and if you desaturate by 10%, it is **49.5738, 0.2333, 0.3544**.

Distribution



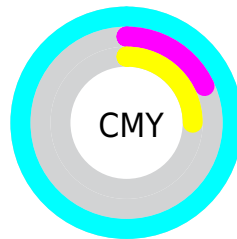
- Red (0%)
- Green (82%)
- Blue (75%)



- Red (0%)
- Yellow (43%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3251, 0.2327, 0.3575 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 49.3251, 0.2327, 0.3575 by changing the saturation by 10% instead.


 49.3251, 0.2327,
0.3575

 49.3251, 0.2327,
0.3575


384.0208, 0.2717,
0.3439


 34.8774, 0.2233,
0.3607


 89.1741, 0.2466,
0.3527


 23.5685, 0.2116,
0.3646


 115.3442, 0.2519,
0.3509


 15.0138, 0.1963,
0.3695


 146.1907, 0.2564,
0.3493

 8.8291, 0.1759,
0.3759

 182.0978, 0.2603,
0.3480

 4.6299, 0.1475,
0.3844

 223.4499, 0.2637,
0.3468

 2.0318, 0.0988,
0.3986

270.6315, 0.2667,

 0.6258, 0.0000,

0.3457

0.4177

324.0270, 0.2693,
0.3448

■ 0.0000, 0.0000,
0.0000

■ 49.3251, 0.2327,
0.3575

■ 49.3251, 0.2327,
0.3575

■ 49.3169, 0.2327,
0.3576

■ 49.5738, 0.2333,
0.3544

■ 49.9985, 0.2354,
0.3513

■ 50.6551, 0.2394,
0.3482

■ 51.5747, 0.2453,
0.3451

■ 52.7837, 0.2531,
0.3420

■ 54.3053, 0.2626,
0.3391

■ 56.1602, 0.2736,
0.3362

■ 58.3676, 0.2860,
0.3336

■ 60.9448, 0.2993,
0.3311

Harmonies

Analogous

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



49.3251, 0.2843, 0.4188



49.3251, 0.2327, 0.3575



49.3251, 0.2038, 0.2934

Triad

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



49.3251, 0.2327, 0.3575



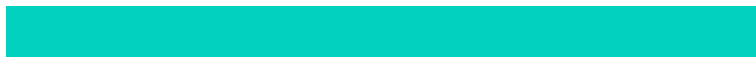
49.3251, 0.2694, 0.2344



49.3251, 0.4369, 0.3933

Complementary

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



49.3251, 0.2327, 0.3575



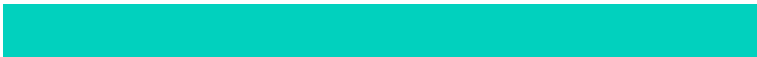
13.6273, 0.6300, 0.3248

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.



49.3251, 0.4352, 0.3448



49.3251, 0.2327, 0.3575



49.3251, 0.3323, 0.2583

Square

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



49.3251, 0.2327, 0.3575



49.3251, 0.2234, 0.2303



49.3251, 0.3955, 0.2973



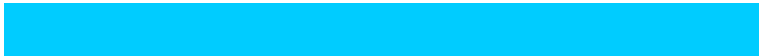
49.3251, 0.4030, 0.4329

Rectangle

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



49.3251, 0.2327, 0.3575



49.3251, 0.1991, 0.2612



49.3251, 0.3955, 0.2973



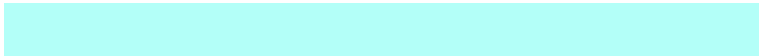
49.3251, 0.4407, 0.3775

Sweetspot

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



49.3270, 0.2327, 0.3575



87.8222, 0.2727, 0.3365



45.7732, 0.3022, 0.5980



18.5219, 0.2679, 0.3376



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.



49.3270, 0.2327, 0.3575



77.3293, 0.2328, 0.3580



19.4777, 0.1867, 0.1919



13.3877, 0.2995, 0.3311



30.4135, 0.2326, 0.3572



1.7061, 0.2310, 0.3515

Inverse Universe

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



13.6273, 0.6300, 0.3248



21.3231, 0.6322, 0.3256



19.9269, 0.5700, 0.3852



11.8255, 0.3276, 0.3269



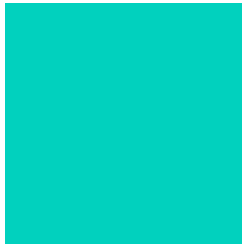
8.3934, 0.6289, 0.3238



0.4755, 0.5971, 0.3063

Previews

White Background



This preview shows how the Yxy color 49.3251, 0.2327, 0.3575 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 49.3251, 0.2327, 0.3575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

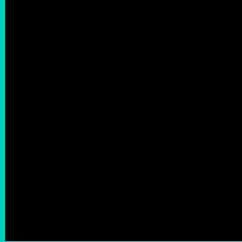
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

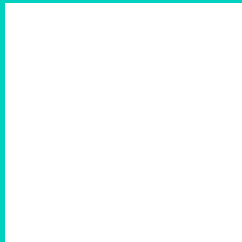
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.3251, 0.2327, 0.3575

Background



This preview shows how black text looks on a background with the Yxy color 49.3251, 0.2327, 0.3575.

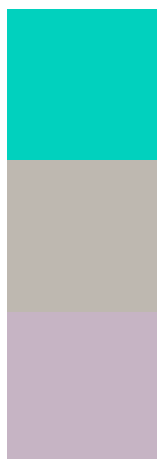


This preview shows how white text looks on a background with the Yxy color 49.3251, 0.2327, 0.3575.

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

49.3251, 0.2327, 0.3575

Protanopia

48.3627, 0.3242, 0.3393

Deuteranopia

48.6338, 0.3153, 0.3094



Tritanopia

49.1363, 0.2237, 0.3048

Trichromacy



Original Color

49.3251, 0.2327, 0.3575



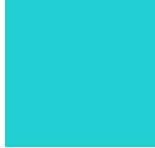
Protanomaly

45.5411, 0.2684, 0.3464



Deuteranomaly

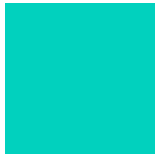
45.5923, 0.2632, 0.3246



Tritanomaly

49.1191, 0.2257, 0.3230

Monochromacy



Original Color

49.3251, 0.2327, 0.3575



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.9056, 0.2583, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3251, 0.2327, 0.3575 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(1, 209, 190)` looks like.

```
.text, #text, p{  
    color:rgb(1, 209, 190)  
}
```

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(1, 209, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 209, 190) }
```

Border

The CSS property to change the border of an element to Yxy 49.3251, 0.2327, 0.3575 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(1, 209, 190) }
```

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

```
.border{ border-color:rgb(1, 209, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 209, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 209, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 209, 190);  
box-shadow:4px 4px 4px 4px rgb(1, 209,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3251, 0.2327, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 209, 190) }
```

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

```
.background{ background-color: rgb(1, 209,  
190) }
```

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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