

Converting Colors

$Yxy(43.8423, 0.2306, 0.3558)$

Have a look what the booklet for
Yxy(43.8423, 0.2306, 0.3558)
contains.

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Color

Yxy(44.2242, 0.2321, 0.3556)

Conversions

Conversions Part 1

Format	Color
Hex	00C7B6
RGB	0, 199, 182
RGB Percent	0%, 78%, 71%
CMY	1.0000, 0.2196, 0.2862
CMYK	1.00, 0.00, 0.09, 0.22
HSL	175°, 100%, 39%
HSV	175°, 100%, 78%
XYZ	28.8651, 44.2242, 51.2757
YIQ	137.5610, -113.1470, -47.4750

Conversions

Conversions Part 2

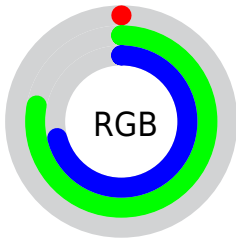
Format	Color
RYB	0, 104, 199
Decimal	51126
CIELab	72.38, -44.86, -3.23
CIELCh	72, 44.972, 184.113
Yxy	44.2242, 0.2321, 0.3556
Android (android.graphics.Color)	4278241206 (0xFF00C7B6)
YUV	137.5610, 21.9084, -120.6410
Hunter-Lab	66.5013, -38.8987, 0.8354

Details

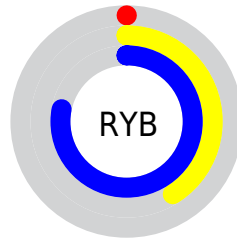
The Yxy color **44.2242, 0.2321, 0.3556** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.1834, 0.6313, 0.3251**, and the grayscale version is **25.1890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5766, 0.2460, 0.3491**, and **21.5315, 0.2336, 0.3609** is the 20% darker color. If you saturate the color by 10%, you get **44.2274, 0.2321, 0.3556**, and if you desaturate by 10%, it is **44.4458, 0.2328, 0.3527**.

Distribution



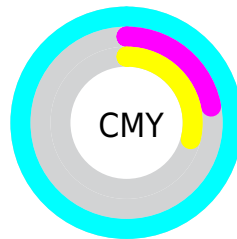
- Red (0%)
- Green (78%)
- Blue (71%)



- Red (0%)
- Yellow (41%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (22%)




- Cyan (100%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.2242, 0.2321, 0.3556 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 44.2242, 0.2321, 0.3556 by changing the saturation by 10% instead.


 44.2242, 0.2321,
0.3556

 44.2242, 0.2321,
0.3556


363.6224, 0.2721,
0.3428


 30.8468, 0.2223,
0.3586


 81.5550, 0.2465,
0.3511

 20.4822, 0.2099,
0.3623


 106.2772, 0.2519,
0.3493

 12.7461, 0.1936,
0.3671


 135.5498, 0.2566,
0.3479

 7.2539, 0.1715,
0.3732

 169.7572, 0.2605,
0.3466

 3.6214, 0.1402,
0.3811

 209.2837, 0.2640,
0.3455

 1.4641, 0.0576,
0.4064

254.5138, 0.2670,

 0.2633, 0.0000,

0.3445

0.3395

305.8319, 0.2697,
0.3436

■ 0.0000, 0.0000,
0.0000

■ 44.2242, 0.2321,
0.3556

■ 44.2242, 0.2321,
0.3556

■ 44.2274, 0.2321,
0.3556

■ 44.4458, 0.2328,
0.3527

■ 44.8168, 0.2349,
0.3499

■ 45.3935, 0.2389,
0.3470

■ 46.2036, 0.2447,
0.3441

■ 47.2706, 0.2525,
0.3412

■ 48.6151, 0.2620,
0.3385

■ 50.2556, 0.2730,
0.3358

■ 52.2091, 0.2853,
0.3334

■ 54.4911, 0.2987,
0.3311

Harmonies

Analogous

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



44.2242, 0.2830, 0.4169



44.2242, 0.2321, 0.3556



44.2242, 0.2040, 0.2922

Triad

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



44.2242, 0.2321, 0.3556



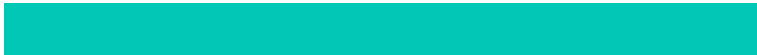
44.2242, 0.2711, 0.2353



44.2242, 0.4357, 0.3942

Complementary

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



44.2242, 0.2321, 0.3556



12.1834, 0.6313, 0.3251

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.



44.2242, 0.4350, 0.3460



44.2242, 0.2321, 0.3556



44.2242, 0.3339, 0.2595

Square

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



44.2242, 0.2321, 0.3556



44.2242, 0.2248, 0.2306



44.2242, 0.3964, 0.2986



44.2242, 0.4013, 0.4331

Rectangle

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



44.2242, 0.2321, 0.3556



44.2242, 0.1997, 0.2606



44.2242, 0.3964, 0.2986



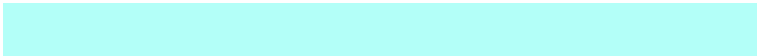
44.2242, 0.4398, 0.3786

Sweetspot

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



44.2274, 0.2321, 0.3556



87.8506, 0.2725, 0.3360



40.9972, 0.3022, 0.5982



18.5288, 0.2676, 0.3371



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.



44.2274, 0.2321, 0.3556



77.4159, 0.2322, 0.3560



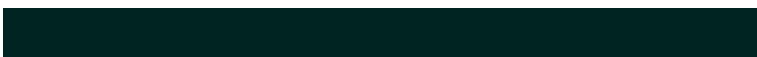
17.4137, 0.1866, 0.1916



12.0513, 0.2995, 0.3310



28.4438, 0.2320, 0.3552



1.3515, 0.2303, 0.3492

Inverse Universe

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



12.1834, 0.6313, 0.3251



21.3171, 0.6329, 0.3260



17.8222, 0.5705, 0.3852



10.6514, 0.3276, 0.3271



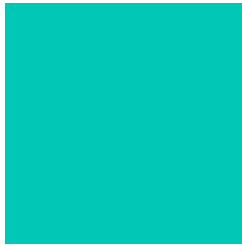
7.8392, 0.6294, 0.3241



0.3764, 0.5958, 0.3056

Previews

White Background



This preview shows how the Yxy color 44.2242, 0.2321, 0.3556 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 44.2242, 0.2321, 0.3556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

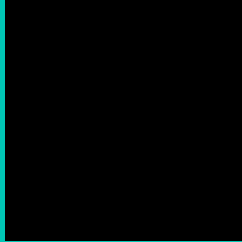
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

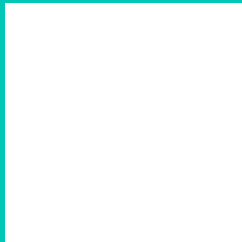
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.2242, 0.2321, 0.3556

Background



This preview shows how black text looks on a background with the Yxy color 44.2242, 0.2321, 0.3556.

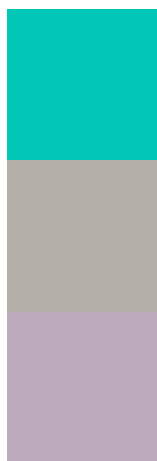


This preview shows how white text looks on a background with the Yxy color 44.2242, 0.2321, 0.3556.

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

44.2242, 0.2321, 0.3556

Protanopia

43.3483, 0.3231, 0.3371

Deuteranopia

43.4480, 0.3137, 0.3072



Tritanopia

44.3863, 0.2238, 0.3053

Trichromacy



Original Color

44.2242, 0.2321, 0.3556



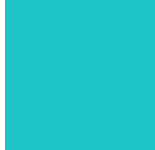
Protanomaly

40.9818, 0.2674, 0.3441



Deuteranomaly

40.5860, 0.2624, 0.3214



Tritanomaly

43.9413, 0.2257, 0.3227

Monochromacy



Original Color

44.2242, 0.2321, 0.3556



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.5494, 0.2576, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2242, 0.2321, 0.3556 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, 199, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 182)  
}
```

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, 199, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 182) }
```

Border

The CSS property to change the border of an element to Yxy 44.2242, 0.2321, 0.3556 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, 199, 182) }
```

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

```
.border{ border-color:rgb(0, 199, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2242, 0.2321, 0.3556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 182) }
```

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

```
.background{ background-color: rgb(0, 199,  
182) }
```

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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