

Converting Colors

$Yxy(38.9382, 0.1753, 0.3531)$

Have a look what the booklet for
Yxy(38.9382, 0.1753, 0.3531)
contains.

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Color

Yxy(43.8489, 0.2308, 0.3508)

Conversions

Conversions Part 1

Format	Color
Hex	00C6B8
RGB	0, 198, 184
RGB Percent	0%, 78%, 72%
CMY	0.9989, 0.2235, 0.2784
CMYK	1.00, 0.00, 0.07, 0.22
HSL	176°, 100%, 39%
HSV	176°, 100%, 78%
XYZ	28.8493, 43.8489, 52.2987
YIQ	137.2020, -113.5140, -46.3300

Conversions

Conversions Part 2

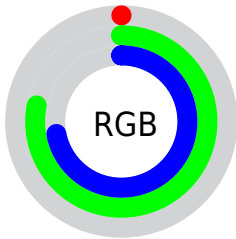
Format	Color
RYB	0, 103, 198
Decimal	50872
CIELab	72.13, -43.84, -4.69
CIELCh	72, 44.086, 186.101
Yxy	43.8489, 0.2308, 0.3508
Android (android.graphics.Color)	4278240952 (0xFF00C6B8)
YUV	137.2020, 23.0714, -120.3262
Hunter-Lab	66.2185, -38.1157, -0.4737

Details

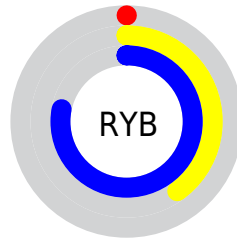
The Yxy color **43.8489, 0.2308, 0.3508** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.0439, 0.6328, 0.3261**, and the grayscale version is **25.0727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6948, 0.2452, 0.3467**, and **21.2836, 0.2318, 0.3544** is the 20% darker color. If you saturate the color by 10%, you get **43.8480, 0.2308, 0.3508**, and if you desaturate by 10%, it is **44.0573, 0.2316, 0.3485**.

Distribution



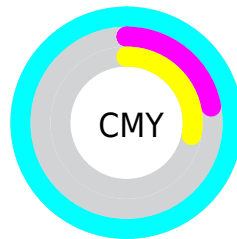
- Red (0%)
- Green (78%)
- Blue (72%)



- Red (0%)
- Yellow (40%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.8489, 0.2308, 0.3508 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 43.8489, 0.2308, 0.3508 by changing the saturation by 10% instead.

 43.8489, 0.2308,
0.3508

 43.8489, 0.2308,
0.3508


362.0913, 0.2714,
0.3406


 30.5517, 0.2209,
0.3531


 80.9903, 0.2454,
0.3473


 20.2578, 0.2083,
0.3559


 105.6034, 0.2509,
0.3459

 12.5825, 0.1918,
0.3594

 134.7572, 0.2556,
0.3447

 7.1417, 0.1695,
0.3636

 168.8361, 0.2597,
0.3436

 3.5509, 0.1381,
0.3685

 208.2246, 0.2632,
0.3427

 1.4257, 0.0560,
0.3875

253.3071, 0.2662,

 0.2355, 0.0000,

0.3419

0.2874

304.4678, 0.2689,
0.3412

0.0000, 0.0000,
0.0000

43.8489, 0.2308,
0.3508

43.8489, 0.2308,
0.3508

43.8480, 0.2308,
0.3508

44.0573, 0.2316,
0.3485

44.4160, 0.2339,
0.3461

44.9781, 0.2380,
0.3437

45.7710, 0.2439,
0.3414

46.8178, 0.2518,
0.3390

■ 48.1388, 0.2614,
0.3368

■ 49.7523, 0.2726,
0.3346

■ 51.6749, 0.2851,
0.3326

■ 53.9221, 0.2987,
0.3307

Harmonies

Analogous

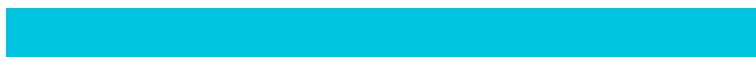
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.8489, 0.2797, 0.4120



43.8489, 0.2308, 0.3508



43.8489, 0.2047, 0.2894

Triad

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



43.8489, 0.2308, 0.3508



43.8489, 0.2755, 0.2377



43.8489, 0.4324, 0.3964

Complementary

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



43.8489, 0.2308, 0.3508



12.0439, 0.6328, 0.3261

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.



43.8489, 0.4342, 0.3491



43.8489, 0.2308, 0.3508



43.8489, 0.3380, 0.2627

Square

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



43.8489, 0.2308, 0.3508



43.8489, 0.2285, 0.2317



43.8489, 0.3985, 0.3021



43.8489, 0.3968, 0.4333

Rectangle

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



43.8489, 0.2308, 0.3508



43.8489, 0.2016, 0.2592



43.8489, 0.3985, 0.3021



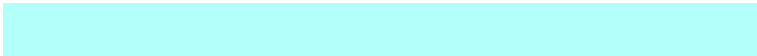
43.8489, 0.4373, 0.3811

Sweetspot

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



43.8506, 0.2308, 0.3508



87.9207, 0.2719, 0.3347



40.5049, 0.3018, 0.5985



18.5459, 0.2670, 0.3356



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.



43.8506, 0.2308, 0.3508



77.6325, 0.2309, 0.3512



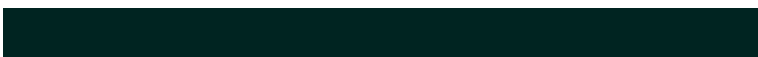
16.4807, 0.1850, 0.1860



12.0541, 0.2993, 0.3306



28.5213, 0.2307, 0.3505



1.3545, 0.2293, 0.3456

Inverse Universe

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



12.0439, 0.6328, 0.3261



21.3038, 0.6346, 0.3269



18.1406, 0.5654, 0.3891



10.6489, 0.3279, 0.3274



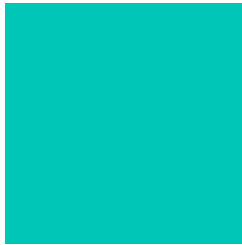
7.8331, 0.6315, 0.3252



0.3752, 0.6028, 0.3094

Previews

White Background



This preview shows how the Yxy color 43.8489, 0.2308, 0.3508 looks on a white background.

Color Contrast Check

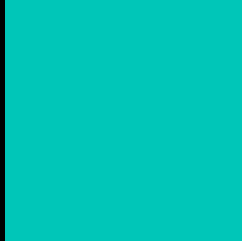
Large Text (above 18pt) WCAG AA × Fail

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 43.8489, 0.2308, 0.3508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

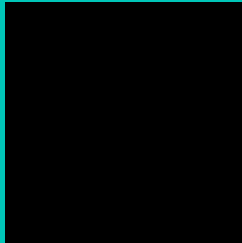
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

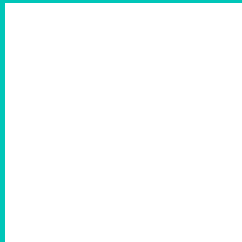
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.8489, 0.2308, 0.3508

Background



This preview shows how black text looks on a background with the Yxy color 43.8489, 0.2308, 0.3508.

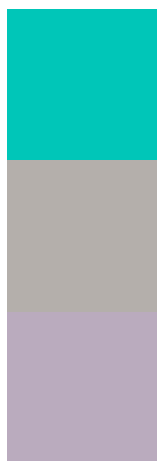


This preview shows how white text looks on a background with the Yxy color 43.8489, 0.2308, 0.3508.

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

43.8489, 0.2308, 0.3508

Protanopia

43.3035, 0.3205, 0.3344

Deuteranopia

43.2826, 0.3103, 0.3045



Tritanopia

43.8411, 0.2234, 0.3051

Trichromacy



Original Color

43.8489, 0.2308, 0.3508



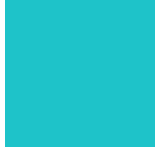
Protanomaly

40.6464, 0.2659, 0.3395



Deuteranomaly

40.5301, 0.2599, 0.3185



Tritanomaly

43.5233, 0.2247, 0.3196

Monochromacy



Original Color

43.8489, 0.2308, 0.3508



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

29.1556, 0.2567, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8489, 0.2308, 0.3508 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, 198, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 184)  
}
```

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, 198, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 184) }
```

Border

The CSS property to change the border of an element to Yxy 43.8489, 0.2308, 0.3508 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, 198, 184) }
```

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

```
.border{ border-color:rgb(0, 198, 184) }
```

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

Here you see how a box with a 4 pixel rgb(0, 198, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8489, 0.2308, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 184) }
```

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

```
.background{ background-color: rgb(0, 198,  
184) }
```

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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