

Converting Colors

$Y_{xy}(42.8898, 0.2309, 0.3514)$

Have a look what the booklet for
Yxy(42.8898, 0.2309, 0.3514)
contains.

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Color

Yxy(42.8573, 0.2309, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	01C4B6
RGB	1, 196, 182
RGB Percent	0%, 77%, 71%
CMY	0.9963, 0.2314, 0.2862
CMYK	1.00, 0.00, 0.07, 0.23
HSL	176°, 99%, 39%
HSV	176°, 100%, 77%
XYZ	28.1930, 42.8573, 51.0502
YIQ	136.0990, -111.7260, -45.6940

Conversions

Conversions Part 2

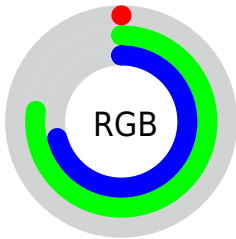
Format	Color
RYB	1, 102, 196
Decimal	115894
CIELab	71.46, -43.52, -4.58
CIELCh	71, 43.759, 186.012
Yxy	42.8573, 0.2309, 0.3510
Android (android.graphics.Color)	4278305974 (0xFF01C4B6)
YUV	136.0990, 22.6292, -118.4818
Hunter-Lab	65.4655, -37.6927, -0.4087

Details

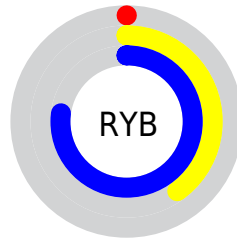
The Yxy color **42.8573, 0.2309, 0.3510** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.7888, 0.6320, 0.3260**, and the grayscale version is **24.5949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3072, 0.2455, 0.3468**, and **20.6347, 0.2319, 0.3548** is the 20% darker color. If you saturate the color by 10%, you get **42.8501, 0.2309, 0.3511**, and if you desaturate by 10%, it is **43.0656, 0.2318, 0.3486**.

Distribution



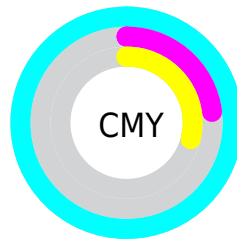
- Red (0%)
- Green (77%)
- Blue (71%)



- Red (0%)
- Yellow (40%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8573, 0.2309, 0.3510 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 42.8573, 0.2309, 0.3510 by changing the saturation by 10% instead.

 42.8573, 0.2309,
0.3510


 42.8573, 0.2309,
0.3510


358.0246, 0.2716,
0.3406

 29.7732, 0.2209,
0.3534


 79.4955, 0.2456,
0.3474

 19.6665, 0.2082,
0.3562


 103.8183, 0.2511,
0.3460


 12.1528, 0.1915,
0.3598


 132.6562, 0.2558,
0.3448

 6.8479, 0.1689,
0.3642

 166.3934, 0.2599,
0.3437

 3.3671, 0.1368,
0.3693

 205.4145, 0.2634,
0.3428

 1.3263, 0.0425,
0.3930

250.1038, 0.2665,

 0.1614, 0.0000,

0.3420

0.2455

300.8457, 0.2692,
0.3413

■ 0.0000, 0.0000,
0.0000

■ 42.8573, 0.2309,
0.3510

■ 42.8573, 0.2309,
0.3510

■ 42.8501, 0.2309,
0.3511

■ 43.0656, 0.2318,
0.3486

■ 43.4240, 0.2341,
0.3462

■ 43.9820, 0.2382,
0.3438

■ 44.7663, 0.2443,
0.3414

■ 45.7992, 0.2522,
0.3391

■ 47.1005, 0.2619,
0.3368

■ 48.6879, 0.2731,
0.3346

■ 50.5776, 0.2856,
0.3326

■ 52.7846, 0.2991,
0.3307

Harmonies

Analogous

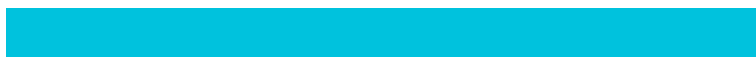
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.8573, 0.2799, 0.4122



42.8573, 0.2309, 0.3510



42.8573, 0.2047, 0.2895

Triad

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



42.8573, 0.2309, 0.3510



42.8573, 0.2753, 0.2376



42.8573, 0.4325, 0.3963

Complementary

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



42.8573, 0.2309, 0.3510



11.7888, 0.6320, 0.3260

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.



42.8573, 0.4342, 0.3490



42.8573, 0.2309, 0.3510



42.8573, 0.3378, 0.2626

Square

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



42.8573, 0.2309, 0.3510



42.8573, 0.2284, 0.2317



42.8573, 0.3983, 0.3020



42.8573, 0.3969, 0.4332

Rectangle

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



42.8573, 0.2309, 0.3510



42.8573, 0.2015, 0.2593



42.8573, 0.3983, 0.3020



42.8573, 0.4373, 0.3810

Sweetspot

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



42.8589, 0.2309, 0.3510



87.9163, 0.2720, 0.3348



39.5978, 0.3018, 0.5982



18.5448, 0.2670, 0.3357



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.



42.8589, 0.2309, 0.3510



77.6188, 0.2310, 0.3515



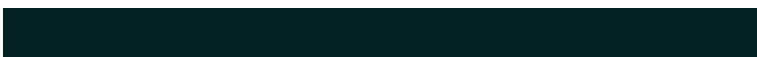
16.1880, 0.1853, 0.1866



11.4156, 0.2994, 0.3306



27.5420, 0.2308, 0.3508



1.1938, 0.2293, 0.3455

Inverse Universe

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



11.7888, 0.6320, 0.3260



21.3046, 0.6345, 0.3269



17.8023, 0.5645, 0.3895



10.0893, 0.3278, 0.3274



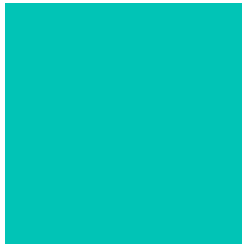
7.5661, 0.6312, 0.3251



0.3310, 0.6005, 0.3082

Previews

White Background



This preview shows how the Yxy color 42.8573, 0.2309, 0.3510 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 42.8573, 0.2309, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

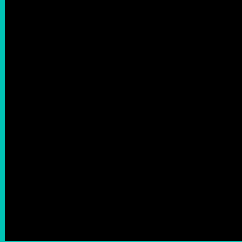
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

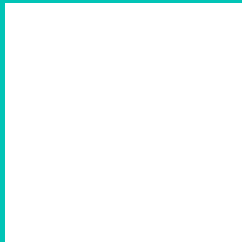
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8573, 0.2309, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 42.8573, 0.2309, 0.3510.

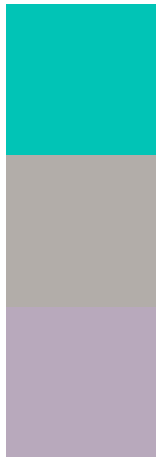


This preview shows how white text looks on a background with the Yxy color 42.8573, 0.2309, 0.3510.

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

42.8637, 0.2309, 0.3510

Protanopia

42.2167, 0.3206, 0.3344

Deuteranopia

42.1971, 0.3103, 0.3043



Tritanopia

42.8342, 0.2232, 0.3049

Trichromacy



Original Color

42.8637, 0.2309, 0.3510



Protanomaly

39.6811, 0.2662, 0.3396



Deuteranomaly

39.5673, 0.2601, 0.3184



Tritanomaly

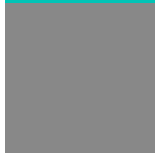
42.5395, 0.2247, 0.3196

Monochromacy



Original Color

42.8637, 0.2309, 0.3510



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.7799, 0.2571, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8573, 0.2309, 0.3510 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, 196, 182)` looks like.

```
.text, #text, p{  
    color:rgb(1, 196, 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(1, 196, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 196, 182) }
```

Border

The CSS property to change the border of an element to Yxy 42.8573, 0.2309, 0.3510 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, 196, 182) }
```

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

```
.border{ border-color:rgb(1, 196, 182) }
```

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

Here you see how a box with a 4 pixel rgb(1, 196, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 196, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 196, 182);  
box-shadow:4px 4px 4px 4px rgb(1, 196,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8573, 0.2309, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 196, 182) }
```

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

```
.background{ background-color: rgb(1, 196,  
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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