

Converting Colors

$Y_{xy}(40.9142, 0.2213, 0.3882)$

Have a look what the booklet for
Yxy(40.9142, 0.2213, 0.3882)
contains.

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Color

Yxy(42.5768, 0.2403, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	01C5A3
RGB	1, 197, 163
RGB Percent	0%, 77%, 64%
CMY	0.9975, 0.2275, 0.3608
CMYK	1.00, 0.00, 0.17, 0.23
HSL	170°, 99%, 39%
HSV	170°, 100%, 77%
XYZ	26.5815, 42.5768, 41.4596
YIQ	134.5200, -105.9020, -52.1260

Conversions

Conversions Part 2

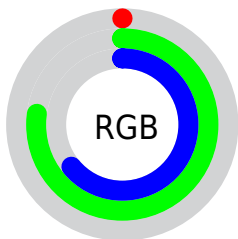
Format	Color
RYB	1, 108, 197
Decimal	116131
CIELab	71.27, -49.17, 5.50
CIELCh	71, 49.480, 173.619
Yxy	42.5768, 0.2403, 0.3849
Android (android.graphics.Color)	4278306211 (0xFF01C5A3)
YUV	134.5200, 14.0406, -117.0970
Hunter-Lab	65.2509, -41.4730, 8.0035

Details

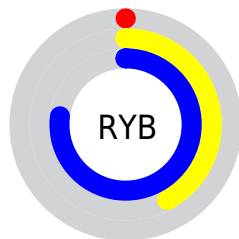
The Yxy color **42.5768, 0.2403, 0.3849** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.0026, 0.6142, 0.3160**, and the grayscale version is **23.9732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3487, 0.2538, 0.3744**, and **20.4937, 0.2442, 0.3989** is the 20% darker color. If you saturate the color by 10%, you get **42.5705, 0.2403, 0.3851**, and if you desaturate by 10%, it is **42.8505, 0.2402, 0.3788**.

Distribution



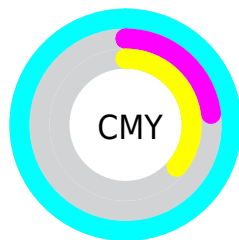
- Red (0%)
- Green (77%)
- Blue (64%)



- Red (0%)
- Yellow (42%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5768, 0.2403, 0.3849 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 42.5768, 0.2403, 0.3849 by changing the saturation by 10% instead.

 42.5768, 0.2403,
0.3849


 42.5768, 0.2403,
0.3849


356.8685, 0.2771,
0.3559


 29.5532, 0.2310,
0.3925


 79.0718, 0.2538,
0.3741


 19.4997, 0.2190,
0.4023


 103.3121, 0.2588,
0.3702


 12.0319, 0.2029,
0.4158

 132.0600, 0.2630,
0.3668

 6.7654, 0.1806,
0.4352

 165.7000, 0.2667,
0.3640

 3.3158, 0.1477,
0.4651

 204.6164, 0.2698,
0.3616

 1.2988, 0.0000,
0.5715

249.1937, 0.2725,

 0.1402, 0.0000,

0.3594


1.0000

299.8163, 0.2750,
0.3576

 0.0000, 0.0000,
0.0000


 42.5768, 0.2403,
0.3849


 42.5768, 0.2403,
0.3849

 42.5705, 0.2403,
0.3851

 42.8505, 0.2402,
0.3788

 43.2773, 0.2417,
0.3725

 43.9085, 0.2451,
0.3663

 44.7709, 0.2504,
0.3602

 45.8875, 0.2576,
0.3542

■ 47.2782, 0.2664,
0.3484

■ 48.9611, 0.2766,
0.3430

■ 50.9526, 0.2880,
0.3379

■ 53.2680, 0.3003,
0.3332

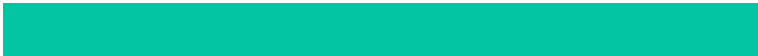
Harmonies

Analogous

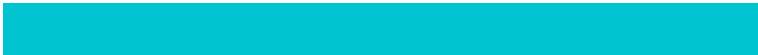
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.5768, 0.3023, 0.4450



42.5768, 0.2403, 0.3849



42.5768, 0.2005, 0.3101

Triad

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



42.5768, 0.2403, 0.3849



42.5768, 0.2460, 0.2218



42.5768, 0.4539, 0.3812

Complementary

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



42.5768, 0.2403, 0.3849



12.0026, 0.6142, 0.3160

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.



42.5768, 0.4384, 0.3279



42.5768, 0.2403, 0.3849



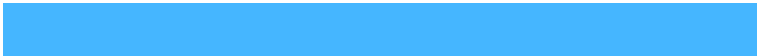
42.5768, 0.3102, 0.2413

Square

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



42.5768, 0.2403, 0.3849



42.5768, 0.2042, 0.2246



42.5768, 0.3831, 0.2788



42.5768, 0.4270, 0.4301

Rectangle

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



42.5768, 0.2403, 0.3849



42.5768, 0.1895, 0.2692



42.5768, 0.3831, 0.2788



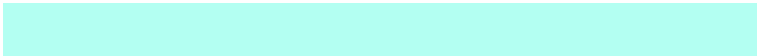
42.5768, 0.4538, 0.3634

Sweetspot

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



42.5784, 0.2403, 0.3849



87.4400, 0.2758, 0.3434



40.3185, 0.3058, 0.5951



18.4293, 0.2713, 0.3457



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.



42.5784, 0.2403, 0.3849



76.2148, 0.2406, 0.3860



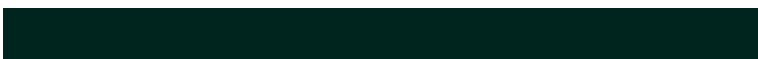
21.3109, 0.1951, 0.2220



12.0348, 0.3006, 0.3330



28.0129, 0.2401, 0.3843



1.3350, 0.2365, 0.3714

Inverse Universe

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



12.0026, 0.6142, 0.3160



21.4431, 0.6179, 0.3178



15.4053, 0.5920, 0.3678



10.6664, 0.3263, 0.3250



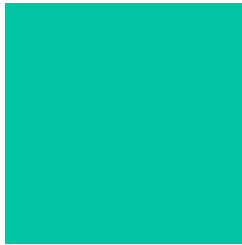
7.8928, 0.6124, 0.3147



0.3832, 0.5579, 0.2847

Previews

White Background



This preview shows how the Yxy color 42.5768, 0.2403, 0.3849 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 42.5768, 0.2403, 0.3849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

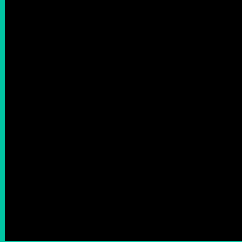
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5768, 0.2403, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 42.5768, 0.2403, 0.3849.

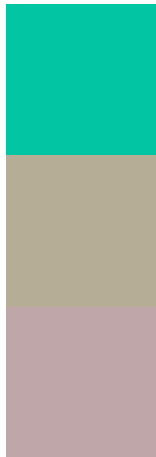


This preview shows how white text looks on a background with the Yxy color 42.5768, 0.2403, 0.3849.

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

42.5833, 0.2403, 0.3849

Protanopia

42.0342, 0.3407, 0.3604

Deuteranopia

41.5784, 0.3334, 0.3264



Tritanopia

42.5877, 0.2263, 0.3064

Trichromacy



Original Color

42.5833, 0.2403, 0.3849



Protanomaly

39.5355, 0.2804, 0.3714



Deuteranomaly

38.7684, 0.2758, 0.3458



Tritanomaly

42.2509, 0.2299, 0.3334

Monochromacy



Original Color

42.5833, 0.2403, 0.3849



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.1367, 0.2617, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5768, 0.2403, 0.3849 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, 197, 163)` looks like.

```
.text, #text, p{  
    color:rgb(1, 197, 163)  
}
```

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, 197, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 197, 163) }
```

Border

The CSS property to change the border of an element to Yxy 42.5768, 0.2403, 0.3849 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, 197, 163) }
```

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

```
.border{ border-color:rgb(1, 197, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 197, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 197, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 197, 163);  
box-shadow:4px 4px 4px 4px rgb(1, 197,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5768, 0.2403, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 197, 163) }
```

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

```
.background{ background-color: rgb(1, 197,  
163) }
```

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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