

Converting Colors

$Y_{xy}(40.8635, 0.2233, 0.3943)$

Have a look what the booklet for
Yxy(40.8635, 0.2233, 0.3943)
contains.

| | |
|---|----|
| Yxy(42.4357, 0.2422, 0.3919) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(42.4357, 0.2422, 0.3919)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00C59F |
| RGB | 0, 197, 159 |
| RGB Percent | 0%, 77%, 62% |
| CMY | 0.9999, 0.2274, 0.3764 |
| CMYK | 1.00, 0.00, 0.19, 0.23 |
| HSL | 168°, 100%, 39% |
| HSV | 168°, 100%, 77% |
| XYZ | 26.2259, 42.4357, 39.6204 |
| YIQ | 133.7650, -105.2140, -53.5820 |

Conversions

Conversions Part 2

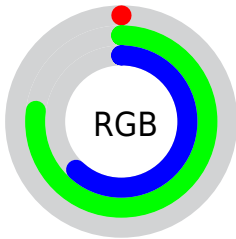
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 109, 197 |
| Decimal | 50591 |
| CIELab | 71.17, -50.22, 7.51 |
| CIELCh | 71, 50.780, 171.497 |
| Yxy | 42.4357, 0.2422, 0.3919 |
| Android (android.graphics.Color) | 4278240671 (0xFF00C59F) |
| YUV | 133.7650, 12.4409, -117.3119 |
| Hunter-Lab | 65.1427, -42.1371, 9.5392 |

Details

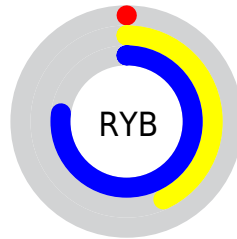
The Yxy color **42.4357, 0.2422, 0.3919** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.0110, 0.6102, 0.3135**, and the grayscale version is **23.7359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1417, 0.2555, 0.3796**, and **20.4287, 0.2462, 0.4062** is the 20% darker color. If you saturate the color by 10%, you get **42.4370, 0.2422, 0.3919**, and if you desaturate by 10%, it is **42.7170, 0.2419, 0.3850**.

Distribution



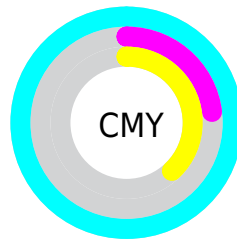
- Red (0%)
- Green (77%)
- Blue (62%)



- Red (0%)
- Yellow (43%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4357, 0.2422, 0.3919 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 42.4357, 0.2422, 0.3919 by changing the saturation by 10% instead.


 42.4357, 0.2422,
0.3919

 42.4357, 0.2422,
0.3919


356.2859, 0.2782,
0.3590


 29.4426, 0.2330,
0.4006


 78.8586, 0.2555,
0.3796

 19.4159, 0.2211,
0.4120


 103.0572, 0.2604,
0.3751


 11.9712, 0.2052,
0.4277


 131.7598, 0.2645,
0.3713

 6.7241, 0.1828,
0.4504

 165.3507, 0.2681,
0.3681

 3.2901, 0.1495,
0.4862

 204.2144, 0.2711,
0.3653

 1.2850, 0.0000,
0.6100

248.7352, 0.2738,

 0.1296, 0.0000,

0.3630

1.0000

299.2976, 0.2761,
0.3609

■ 0.0000, 0.0000,
0.0000

■ 42.4357, 0.2422,
0.3919

■ 42.4357, 0.2422,
0.3919

■ 42.4370, 0.2422,
0.3919

■ 42.7170, 0.2419,
0.3850

■ 43.1488, 0.2432,
0.3780

■ 43.7849, 0.2463,
0.3710

■ 44.6524, 0.2515,
0.3641

■ 45.7741, 0.2584,
0.3574

■ 47.1702, 0.2670,
0.3509

■ 48.8587, 0.2770,
0.3448

■ 50.8562, 0.2882,
0.3391

■ 53.1781, 0.3002,
0.3338

Harmonies

Analogous

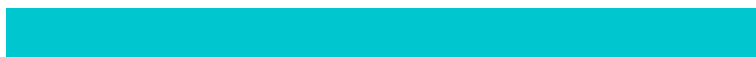
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.4357, 0.3067, 0.4513



42.4357, 0.2422, 0.3919



42.4357, 0.1997, 0.3144

Triad

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



42.4357, 0.2422, 0.3919



42.4357, 0.2404, 0.2188



42.4357, 0.4580, 0.3781

Complementary

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



42.4357, 0.2422, 0.3919



12.0110, 0.6102, 0.3135

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.



42.4357, 0.4391, 0.3238



42.4357, 0.2422, 0.3919



42.4357, 0.3048, 0.2372

Square

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



42.4357, 0.2422, 0.3919



42.4357, 0.1997, 0.2232



42.4357, 0.3799, 0.2743



42.4357, 0.4329, 0.4292

Rectangle

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



42.4357, 0.2422, 0.3919



42.4357, 0.1872, 0.2713



42.4357, 0.3799, 0.2743



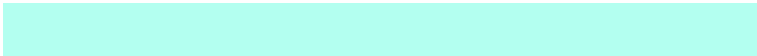
42.4357, 0.4569, 0.3599

Sweetspot

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



42.4373, 0.2422, 0.3919



87.3505, 0.2765, 0.3450



40.3727, 0.3067, 0.5947



18.4077, 0.2721, 0.3476



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.



42.4373, 0.2422, 0.3919



75.9683, 0.2425, 0.3929



22.1821, 0.1966, 0.2277



12.0311, 0.3009, 0.3335



27.9242, 0.2419, 0.3910



1.3315, 0.2379, 0.3765

Inverse Universe

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



12.0110, 0.6102, 0.3135



21.4831, 0.6133, 0.3152



15.0106, 0.5969, 0.3643



10.6698, 0.3260, 0.3246



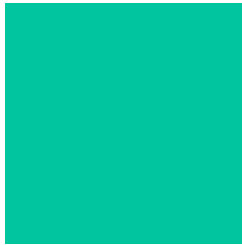
7.9091, 0.6074, 0.3120



0.3848, 0.5503, 0.2805

Previews

White Background



This preview shows how the Yxy color 42.4357, 0.2422, 0.3919 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 42.4357, 0.2422, 0.3919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

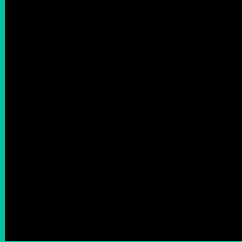
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4357, 0.2422, 0.3919

Background



This preview shows how black text looks on a background with the Yxy color 42.4357, 0.2422, 0.3919.

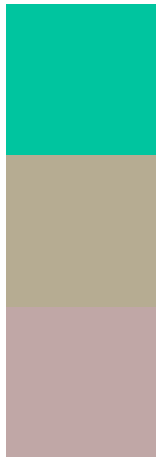


This preview shows how white text looks on a background with the Yxy color 42.4357, 0.2422, 0.3919.

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

42.4357, 0.2422, 0.3919

Protanopia

41.5255, 0.3444, 0.3646

Deuteranopia

41.5971, 0.3371, 0.3304



Tritanopia

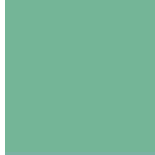
42.6476, 0.2269, 0.3064

Trichromacy



Original Color

42.4357, 0.2422, 0.3919



Protanomaly

38.9951, 0.2830, 0.3765



Deuteranomaly

38.6227, 0.2786, 0.3522



Tritanomaly

42.2261, 0.2305, 0.3350

Monochromacy



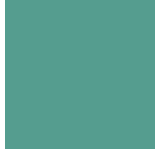
Original Color

42.4357, 0.2422, 0.3919



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.0284, 0.2625, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4357, 0.2422, 0.3919 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, 197, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 159)  
}
```

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, 197, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 159) }
```

Border

The CSS property to change the border of an element to Yxy 42.4357, 0.2422, 0.3919 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, 197, 159) }
```

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

```
.border{ border-color:rgb(0, 197, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4357, 0.2422, 0.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 159) }
```

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

```
.background{ background-color: rgb(0, 197,  
159) }
```

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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