

Converting Colors

$Y_{xy}(40.3702, 0.2446, 0.4007)$

Have a look what the booklet for
Yxy(40.3702, 0.2446, 0.4007)
contains.

Yxy(40.3743, 0.2446, 0.4005)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.3743, 0.2446, 0.4005)

Conversions

Conversions Part 1

Format	Color
Hex	00C197
RGB	0, 193, 151
RGB Percent	0%, 76%, 59%
CMY	0.9994, 0.2431, 0.4078
CMYK	1.00, 0.00, 0.22, 0.24
HSL	167°, 100%, 38%
HSV	167°, 100%, 76%
XYZ	24.6581, 40.3743, 35.7774
YIQ	130.5050, -101.5460, -53.9780

Conversions

Conversions Part 2

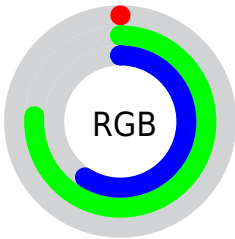
Format	Color
RYB	0, 108, 193
Decimal	49559
CIELab	69.74, -50.66, 9.81
CIELCh	70, 51.598, 169.041
Yxy	40.3743, 0.2446, 0.4005
Android (android.graphics.Color)	4278239639 (0xFF00C197)
YUV	130.5050, 10.1040, -114.4529
Hunter-Lab	63.5408, -41.9264, 11.0946

Details

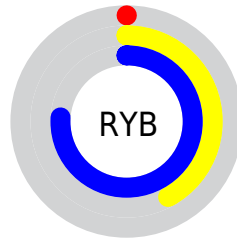
The Yxy color **40.3743, 0.2446, 0.4005** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.5092, 0.6031, 0.3097**, and the grayscale version is **22.5207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4316, 0.2576, 0.3859**, and **19.0971, 0.2496, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **40.3737, 0.2446, 0.4006**, and if you desaturate by 10%, it is **40.6570, 0.2441, 0.3926**.

Distribution



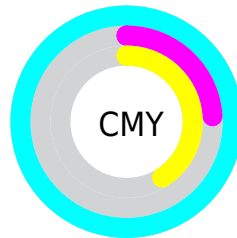
- Red (0%)
- Green (76%)
- Blue (59%)



- Red (0%)
- Yellow (42%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (24%)



- Cyan (100%)
- Magenta (24%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3743, 0.2446, 0.4005 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 40.3743, 0.2446, 0.4005 by changing the saturation by 10% instead.


 40.3743, 0.2446,
0.4005


 40.3743, 0.2446,
0.4005


347.6987, 0.2799,
0.3625


 27.8305, 0.2354,
0.4108


 75.7331, 0.2577,
0.3861


 18.1979, 0.2234,
0.4244


 99.3170, 0.2626,
0.3809


 11.0922, 0.2071,
0.4434


 127.3496, 0.2666,
0.3765

 6.1289, 0.1838,
0.4715

 160.2155, 0.2701,
0.3729

 2.9236, 0.1485,
0.5169

 198.2989, 0.2731,
0.3697

 1.0920, 0.0000,
0.6913

241.9843, 0.2756,

 0.0000, 0.0000,

0.3670

0.0000

291.6561, 0.2779,
0.3646

■ 40.3743, 0.2446,
0.4005

■ 40.3743, 0.2446,
0.4005

■ 40.3737, 0.2446,
0.4006

■ 40.6570, 0.2441,
0.3926

■ 41.0845, 0.2452,
0.3846

■ 41.7081, 0.2482,
0.3766

■ 42.5534, 0.2531,
0.3688

■ 43.6424, 0.2599,
0.3611

■ 44.9940, 0.2683,
0.3537

■ 46.6255, 0.2781,
0.3468

■ 48.5526, 0.2889,
0.3403

■ 50.7898, 0.3006,
0.3344

Harmonies

Analogous

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



40.3743, 0.3121, 0.4588



40.3743, 0.2446, 0.4005



40.3743, 0.1988, 0.3199

Triad

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



40.3743, 0.2446, 0.4005



40.3743, 0.2337, 0.2152



40.3743, 0.4628, 0.3744

Complementary

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



40.3743, 0.2446, 0.4005



11.5092, 0.6031, 0.3097

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.



40.3743, 0.4396, 0.3189



40.3743, 0.2446, 0.4005



40.3743, 0.2983, 0.2323

Square

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



40.3743, 0.2446, 0.4005



40.3743, 0.1943, 0.2216



40.3743, 0.3759, 0.2690



40.3743, 0.4399, 0.4278

Rectangle

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



40.3743, 0.2446, 0.4005



40.3743, 0.1845, 0.2740



40.3743, 0.3759, 0.2690



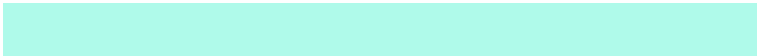
40.3743, 0.4604, 0.3557

Sweetspot

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



40.3759, 0.2446, 0.4005



83.3312, 0.2775, 0.3472



38.7018, 0.3089, 0.5929



17.6001, 0.2732, 0.3501



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.3759, 0.2446, 0.4005



72.2715, 0.2449, 0.4018



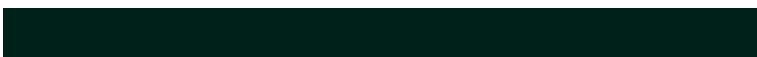
23.0716, 0.2000, 0.2398



11.3897, 0.3013, 0.3341



26.8655, 0.2443, 0.3995



1.1703, 0.2394, 0.3819

Inverse Universe

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



11.5092, 0.6031, 0.3097



20.5757, 0.6067, 0.3116



13.7570, 0.6043, 0.3583



10.1130, 0.3255, 0.3240



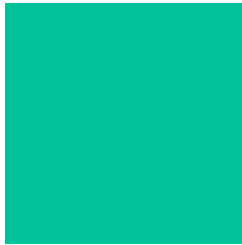
7.6620, 0.6003, 0.3080



0.3416, 0.5368, 0.2731

Previews

White Background



This preview shows how the Yxy color 40.3743, 0.2446, 0.4005 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 40.3743, 0.2446, 0.4005 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 40.3743, 0.2446, 0.4005

Background



This preview shows how black text looks on a background with the Yxy color 40.3743, 0.2446, 0.4005.

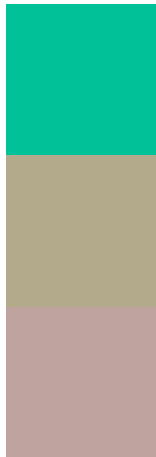


This preview shows how white text looks on a background with the Yxy color 40.3743, 0.2446, 0.4005.

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

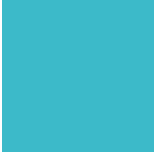
40.3743, 0.2446, 0.4005

Protanopia

39.8237, 0.3486, 0.3708

Deuteranopia

39.6102, 0.3433, 0.3358



Tritanopia

40.2955, 0.2275, 0.3059

Trichromacy



Original Color

40.3743, 0.2446, 0.4005



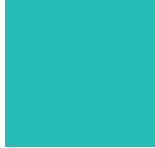
Protanomaly

37.4014, 0.2869, 0.3857



Deuteranomaly

36.7036, 0.2831, 0.3591



Tritanomaly

40.2262, 0.2317, 0.3384

Monochromacy



Original Color

40.3743, 0.2446, 0.4005



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.7852, 0.2640, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3743, 0.2446, 0.4005 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, 193, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 151)  
}
```

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, 193, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 151) }
```

Border

The CSS property to change the border of an element to Yxy 40.3743, 0.2446, 0.4005 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, 193, 151) }
```

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

```
.border{ border-color:rgb(0, 193, 151) }
```

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

Here you see how a box with a 4 pixel rgb(0, 193, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3743, 0.2446, 0.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 151) }
```

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

```
.background{ background-color: rgb(0, 193,  
151) }
```

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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