

Converting Colors

$Y_{xy}(37.9720, 0.1665, 0.4165)$

Have a look what the booklet for
Yxy(37.9720, 0.1665, 0.4165)
contains.

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Color

Yxy(44.1736, 0.2453, 0.4030)

Conversions

Conversions Part 1

Format	Color
Hex	00C99C
RGB	0, 201, 156
RGB Percent	0%, 79%, 61%
CMY	0.9990, 0.2118, 0.3883
CMYK	1.00, 0.00, 0.22, 0.21
HSL	167°, 100%, 39%
HSV	167°, 100%, 79%
XYZ	26.8878, 44.1736, 38.5505
YIQ	135.7710, -105.3510, -56.6070

Conversions

Conversions Part 2

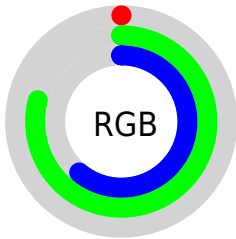
Format	Color
RYB	0, 113, 201
Decimal	51612
CIELab	72.34, -52.57, 10.83
CIELCh	72, 53.671, 168.359
Yxy	44.1736, 0.2453, 0.4030
Android (android.graphics.Color)	4278241692 (0xFF00C99C)
YUV	135.7710, 9.9729, -119.0712
Hunter-Lab	66.4632, -44.0982, 12.1344

Details

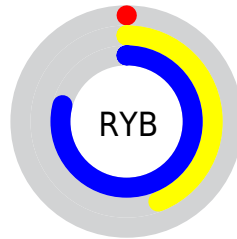
The Yxy color **44.1736, 0.2453, 0.4030** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.6149, 0.6017, 0.3089**, and the grayscale version is **24.5510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0479, 0.2571, 0.3835**, and **21.5777, 0.2503, 0.4209** is the 20% darker color. If you saturate the color by 10%, you get **44.1718, 0.2453, 0.4031**, and if you desaturate by 10%, it is **44.4817, 0.2447, 0.3948**.

Distribution



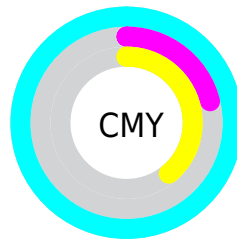
- Red (0%)
- Green (79%)
- Blue (61%)



- Red (0%)
- Yellow (44%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (21%)




- Cyan (100%)
- Magenta (21%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.1736, 0.2453, 0.4030 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 44.1736, 0.2453, 0.4030 by changing the saturation by 10% instead.


 44.1736, 0.2453,
0.4030


 44.1736, 0.2453,
0.4030

363.4162, 0.2798,
0.3641

 30.8070, 0.2365,
0.4133


 81.4789, 0.2580,
0.3884


 20.4519, 0.2250,
0.4269


 106.1864, 0.2627,
0.3831


 12.7240, 0.2096,
0.4456


 135.4430, 0.2667,
0.3786

 7.2388, 0.1879,
0.4729

 169.6331, 0.2701,
0.3748

 3.6119, 0.1555,
0.5160

 209.1411, 0.2730,
0.3716

 1.4589, 0.0071,
0.6615

254.3513, 0.2756,

 0.2595, 0.0000,

0.3688

1.0000

305.6482, 0.2778,
0.3663

■ 0.0000, 0.0000,
0.0000

■ 44.1736, 0.2453,
0.4030

■ 44.1736, 0.2453,
0.4030

■ 44.1718, 0.2453,
0.4031

■ 44.4817, 0.2447,
0.3948

■ 44.9508, 0.2457,
0.3866

■ 45.6356, 0.2486,
0.3783

■ 46.5646, 0.2535,
0.3701

■ 47.7619, 0.2602,
0.3622

■ 49.2485, 0.2685,
0.3546

■ 51.0436, 0.2783,
0.3474

■ 53.1645, 0.2891,
0.3407

■ 55.6272, 0.3007,
0.3345

Harmonies

Analogous

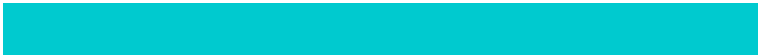
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.1736, 0.3137, 0.4609



44.1736, 0.2453, 0.4030



44.1736, 0.1986, 0.3215

Triad

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



44.1736, 0.2453, 0.4030



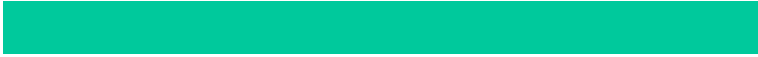
44.1736, 0.2319, 0.2141



44.1736, 0.4642, 0.3733

Complementary

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



44.1736, 0.2453, 0.4030



12.6149, 0.6017, 0.3089

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.



44.1736, 0.4397, 0.3174



44.1736, 0.2453, 0.4030



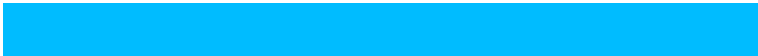
44.1736, 0.2964, 0.2309

Square

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



44.1736, 0.2453, 0.4030



44.1736, 0.1928, 0.2212



44.1736, 0.3747, 0.2675



44.1736, 0.4419, 0.4274

Rectangle

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



44.1736, 0.2453, 0.4030



44.1736, 0.1838, 0.2748



44.1736, 0.3747, 0.2675



44.1736, 0.4614, 0.3545

Sweetspot

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



44.1753, 0.2453, 0.4030



87.2080, 0.2777, 0.3477



42.3813, 0.3087, 0.5930



18.3734, 0.2734, 0.3508



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.



44.1753, 0.2453, 0.4030



75.5883, 0.2456, 0.4042



25.2323, 0.1999, 0.2396



12.0253, 0.3013, 0.3342



27.7873, 0.2450, 0.4019



1.3260, 0.2402, 0.3849

Inverse Universe

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



12.6149, 0.6017, 0.3089



21.5573, 0.6051, 0.3107



15.0368, 0.6046, 0.3580



10.6753, 0.3255, 0.3238



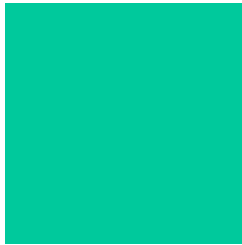
7.9388, 0.5987, 0.3072



0.3872, 0.5386, 0.2741

Previews

White Background



This preview shows how the Yxy color 44.1736, 0.2453, 0.4030 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 44.1736, 0.2453, 0.4030 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 44.1736, 0.2453, 0.4030

Background



This preview shows how black text looks on a background with the Yxy color 44.1736, 0.2453, 0.4030.



This preview shows how white text looks on a background with the Yxy color 44.1736, 0.2453, 0.4030.

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

44.1736, 0.2453, 0.4030

Protanopia

43.4729, 0.3498, 0.3734

Deuteranopia

43.3996, 0.3449, 0.3381



Tritanopia

44.2608, 0.2270, 0.3053

Trichromacy



Original Color

44.1736, 0.2453, 0.4030



Protanomaly

40.6876, 0.2869, 0.3870



Deuteranomaly

40.0214, 0.2840, 0.3611



Tritanomaly

44.1013, 0.2320, 0.3396

Monochromacy



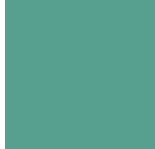
Original Color

44.1736, 0.2453, 0.4030



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

29.1510, 0.2646, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1736, 0.2453, 0.4030 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, 201, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 156)  
}
```

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, 201, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 156) }
```

Border

The CSS property to change the border of an element to Yxy 44.1736, 0.2453, 0.4030 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, 201, 156) }
```

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

```
.border{ border-color:rgb(0, 201, 156) }
```

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

Here you see how a box with a 4 pixel rgb(0, 201, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1736, 0.2453, 0.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 156) }
```

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

```
.background{ background-color: rgb(0, 201,  
156) }
```

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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