

Converting Colors

$Y_{xy}(44.1828, 0.2485, 0.4101)$

Have a look what the booklet for
Yxy(44.1828, 0.2485, 0.4101)
contains.

Yxy(44.1504, 0.2485, 0.4098)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.1504, 0.2485, 0.4098)

Conversions

Conversions Part 1

Format	Color
Hex	10C998
RGB	16, 201, 152
RGB Percent	6%, 79%, 60%
CMY	0.9356, 0.2118, 0.4039
CMYK	0.92, 0.00, 0.24, 0.21
HSL	164°, 85%, 43%
HSV	164°, 92%, 79%
XYZ	26.7725, 44.1504, 36.8135
YIQ	140.0990, -94.5310, -54.4590

Conversions

Conversions Part 2

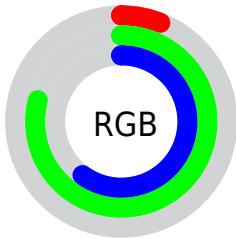
Format	Color
RYB	16, 123, 201
Decimal	1100184
CIELab	72.33, -52.97, 12.96
CIELCh	72, 54.532, 166.251
Yxy	44.1504, 0.2485, 0.4098
Android (android.graphics.Color)	4279290264 (0xFF10C998)
YUV	140.0990, 5.8672, -108.8348
Hunter-Lab	66.4458, -44.3584, 13.6631

Details

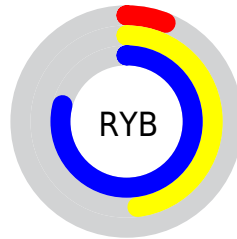
The Yxy color **44.1504, 0.2485, 0.4098** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.1867, 0.5646, 0.2949**, and the grayscale version is **26.3205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9193, 0.2600, 0.3900**, and **21.4974, 0.2530, 0.4306** is the 20% darker color. If you saturate the color by 10%, you get **43.8980, 0.2494, 0.4178**, and if you desaturate by 10%, it is **44.6015, 0.2487, 0.3999**.

Distribution



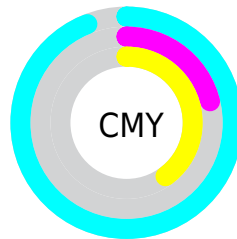
- Red (6%)
- Green (79%)
- Blue (60%)



- Red (6%)
- Yellow (48%)
- Blue (79%)



- Cyan (92%)
- Magenta (0%)
- Yellow (24%)
- Black (21%)





- Cyan (94%)
- Magenta (21%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.1504, 0.2485, 0.4098 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 44.1504, 0.2485, 0.4098 by changing the saturation by 10% instead.


 44.1504, 0.2485,
0.4098


 44.1504, 0.2485,
0.4098


363.3217, 0.2816,
0.3671


 30.7888, 0.2399,
0.4212


 81.4440, 0.2608,
0.3937

 20.4381, 0.2288,
0.4363

 106.1448, 0.2653,
0.3879

 12.7139, 0.2137,
0.4572


 135.3940, 0.2691,
0.3830

 7.2318, 0.1923,
0.4878

 169.5762, 0.2724,
0.3788

 3.6075, 0.1599,
0.5366

 209.0756, 0.2752,
0.3753

 1.4565, 0.0021,
0.7137

254.2768, 0.2776,

 0.2578, 0.0000,

0.3722

1.0000

305.5640, 0.2797,
0.3695

■ 0.0000, 0.0000,
0.0000

■ 44.1504, 0.2485,
0.4098

■ 44.1504, 0.2485,
0.4098

■ 43.8980, 0.2494,
0.4178

■ 44.6015, 0.2487,
0.3999

■ 45.2626, 0.2509,
0.3899

■ 46.1648, 0.2551,
0.3800

■ 47.3332, 0.2611,
0.3704

■ 48.7892, 0.2688,
0.3612

■ 50.5525, 0.2779,
0.3525

■ 52.6406, 0.2881,
0.3444

■ 55.0699, 0.2991,
0.3369

■ 57.8557, 0.3106,
0.3302

Harmonies

Analogous

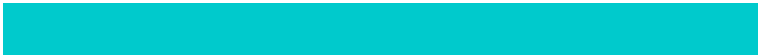
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.1504, 0.3188, 0.4654



44.1504, 0.2485, 0.4098



44.1504, 0.1993, 0.3268

Triad

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



44.1504, 0.2485, 0.4098



44.1504, 0.2270, 0.2122



44.1504, 0.4664, 0.3696

Complementary

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



44.1504, 0.2485, 0.4098



13.1867, 0.5646, 0.2949

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.



44.1504, 0.4382, 0.3133



44.1504, 0.2485, 0.4098



44.1504, 0.2908, 0.2277

Square

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



44.1504, 0.2485, 0.4098



44.1504, 0.1894, 0.2211



44.1504, 0.3701, 0.2634



44.1504, 0.4466, 0.4250

Rectangle

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



44.1504, 0.2485, 0.4098



44.1504, 0.1829, 0.2782



44.1504, 0.3701, 0.2634



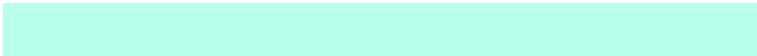
44.1504, 0.4625, 0.3506

Sweetspot

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



44.1521, 0.2485, 0.4098



87.7197, 0.2813, 0.3496



42.9559, 0.3147, 0.5826



18.4607, 0.2770, 0.3533



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.



44.1521, 0.2485, 0.4098



75.1208, 0.2498, 0.4192



28.7601, 0.2064, 0.2583



12.0176, 0.3019, 0.3352



27.6185, 0.2490, 0.4164



1.3192, 0.2433, 0.3959

Inverse Universe

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



13.1867, 0.5646, 0.2949



21.6737, 0.5927, 0.3039



15.6340, 0.5915, 0.3588



10.6824, 0.3249, 0.3229



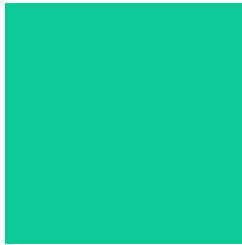
7.9845, 0.5858, 0.3001



0.3905, 0.5244, 0.2663

Previews

White Background



This preview shows how the Yxy color 44.1504, 0.2485, 0.4098 looks on a white background.

Color Contrast Check

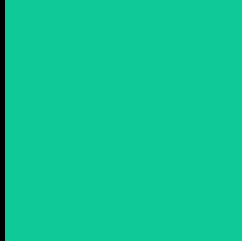
Large Text (above 18pt) WCAG AA × Fail

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 44.1504, 0.2485, 0.4098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

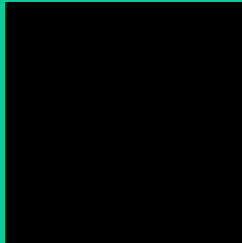
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.1504, 0.2485, 0.4098

Background



This preview shows how black text looks on a background with the Yxy color 44.1504, 0.2485, 0.4098.

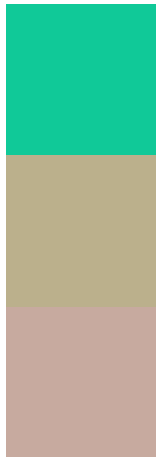


This preview shows how white text looks on a background with the Yxy color 44.1504, 0.2485, 0.4098.

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

44.1504, 0.2485, 0.4098

Protanopia

43.5089, 0.3534, 0.3773

Deuteranopia

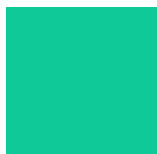
43.3948, 0.3495, 0.3432



Tritanopia

43.8672, 0.2280, 0.3053

Trichromacy



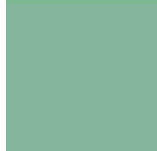
Original Color

44.1504, 0.2485, 0.4098



Protanomaly

41.0715, 0.2948, 0.3927



Deuteranomaly

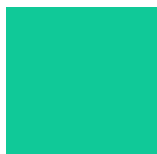
40.4346, 0.2922, 0.3669



Tritanomaly

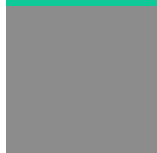
43.7150, 0.2340, 0.3412

Monochromacy



Original Color

44.1504, 0.2485, 0.4098



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.2872, 0.2699, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1504, 0.2485, 0.4098 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(16, 201, 152)` looks like.

```
.text, #text, p{  
    color:rgb(16, 201, 152)  
}
```

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(16, 201, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 201, 152) }
```

Border

The CSS property to change the border of an element to Yxy 44.1504, 0.2485, 0.4098 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(16, 201, 152) }
```

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

```
.border{ border-color:rgb(16, 201, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 201, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 201, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 201, 152);  
box-shadow:4px 4px 4px 4px rgb(16, 201,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1504, 0.2485, 0.4098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 201, 152) }
```

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

```
.background{ background-color: rgb(16, 201,  
152) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor