

# Converting Colors

$Y_{xy}(47.1576, 0.2430, 0.3946)$

Have a look what the booklet for  
Yxy(47.1576, 0.2430, 0.3946)  
contains.

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# Color

**Yxy(47.3487, 0.2433, 0.3957)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01CFA5
RGB	1, 207, 165
RGB Percent	0%, 81%, 65%
CMY	0.9973, 0.1882, 0.3530
CMYK	1.00, 0.00, 0.20, 0.19
HSL	168°, 99%, 41%
HSV	168°, 100%, 81%
XYZ	29.1128, 47.3487, 43.1966
YIQ	140.6180, -109.2940, -56.7340

# Conversions

## Conversions Part 2

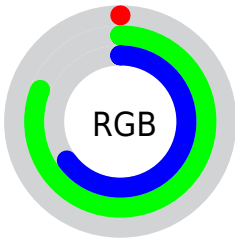
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 116, 207
Decimal	118693
CIELab	74.41, -52.67, 8.93
CIELCh	74, 53.416, 170.381
Yxy	47.3487, 0.2433, 0.3957
Android (android.graphics.Color)	4278308773 (0xFF01CFA5)
YUV	140.6180, 12.0203, -122.4450
Hunter-Lab	68.8104, -44.8971, 10.9473

# Details

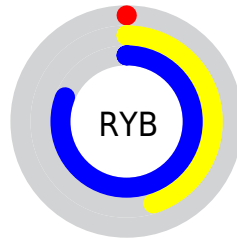
The Yxy color **47.3487, 0.2433, 0.3957** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.4537, 0.6072, 0.3121**, and the grayscale version is **26.4254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6304, 0.2539, 0.3717**, and **23.3255, 0.2475, 0.4110** is the 20% darker color. If you saturate the color by 10%, you get **47.3411, 0.2433, 0.3959**, and if you desaturate by 10%, it is **47.6658, 0.2429, 0.3883**.

# Distribution



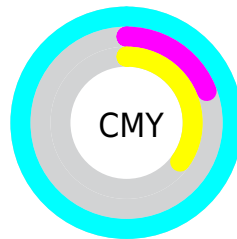
- Red (0%)
- Green (81%)
- Blue (65%)



- Red (0%)
- Yellow (45%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (19%)




- Cyan (100%)
- Magenta (19%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3487, 0.2433, 0.3957 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 47.3487, 0.2433, 0.3957 by changing the saturation by 10% instead.





 47.3487, 0.2433,  
0.3957


 47.3487, 0.2433,  
0.3957


376.2047, 0.2782,  
0.3613


 33.3114, 0.2346,  
0.4046


 86.2339, 0.2560,  
0.3829

 22.3651, 0.2233,  
0.4162


 111.8506, 0.2608,  
0.3782

 14.1254, 0.2085,  
0.4320


 142.0958, 0.2648,  
0.3743

 8.2079, 0.1879,  
0.4545

 177.3541, 0.2683,  
0.3709

 4.2283, 0.1579,  
0.4891

 218.0097, 0.2713,  
0.3680

 1.8021, 0.0732,  
0.5714

264.4471, 0.2739,

 0.4885, 0.0000,

0.3655

1.0000

317.0506, 0.2762,  
0.3633

■ 0.0000, 0.0000,  
0.0000

■ 47.3487, 0.2433,  
0.3957

■ 47.3487, 0.2433,  
0.3957

■ 47.3411, 0.2433,  
0.3959

■ 47.6658, 0.2429,  
0.3883

■ 48.1574, 0.2441,  
0.3809

■ 48.8794, 0.2472,  
0.3734

■ 49.8624, 0.2522,  
0.3661

■ 51.1323, 0.2591,  
0.3589

■ 52.7116, 0.2677,  
0.3520

■ 54.6209, 0.2777,  
0.3455

■ 56.8786, 0.2887,  
0.3395

■ 59.5021, 0.3007,  
0.3339

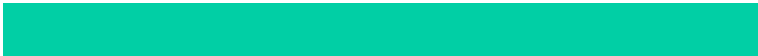
# Harmonies

## Analogous

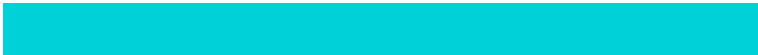
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.3487, 0.3092, 0.4546



47.3487, 0.2433, 0.3957



47.3487, 0.1993, 0.3168

# Triad

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



47.3487, 0.2433, 0.3957



47.3487, 0.2374, 0.2172



47.3487, 0.4601, 0.3765

# Complementary

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



47.3487, 0.2433, 0.3957



13.4537, 0.6072, 0.3121

# 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.



47.3487, 0.4393, 0.3216



47.3487, 0.2433, 0.3957



47.3487, 0.3019, 0.2351

# Square

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



47.3487, 0.2433, 0.3957



47.3487, 0.1973, 0.2225



47.3487, 0.3781, 0.2720



47.3487, 0.4360, 0.4286



# Rectangle

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



47.3487, 0.2433, 0.3957



47.3487, 0.1861, 0.2725



47.3487, 0.3781, 0.2720



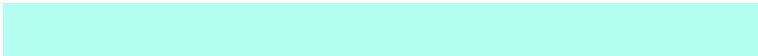
47.3487, 0.4584, 0.3580

# Sweetspot

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



47.3505, 0.2433, 0.3957



87.3011, 0.2769, 0.3460



45.1981, 0.3076, 0.5937



18.3958, 0.2726, 0.3487



0.0000, 0.0000, 0.0000

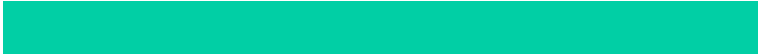


21.4041, 0.3127, 0.3290



# Same Dimension

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



47.3505, 0.2433, 0.3957



75.8351, 0.2436, 0.3968



25.8626, 0.1983, 0.2337



13.3641, 0.3010, 0.3338



29.8381, 0.2430, 0.3949



1.6791, 0.2393, 0.3814



# Inverse Universe

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



13.4537, 0.6072, 0.3121



21.5073, 0.6106, 0.3137



16.4107, 0.6006, 0.3609



11.8471, 0.3259, 0.3243



8.4749, 0.6050, 0.3107

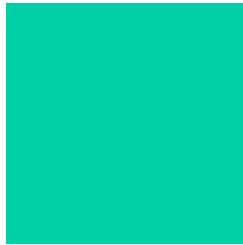


0.4855, 0.5536, 0.2823



# Previews

## White Background



This preview shows how the Yxy color 47.3487, 0.2433, 0.3957 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 47.3487, 0.2433, 0.3957 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

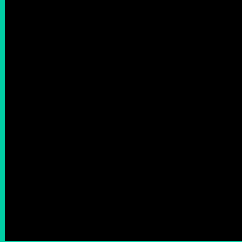
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

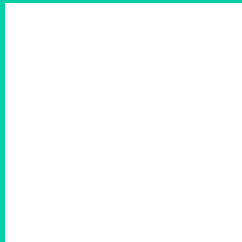
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.3487, 0.2433, 0.3957**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.3487, 0.2433, 0.3957.

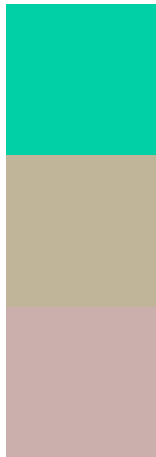


This preview shows how white text looks on a background with the Yxy color 47.3487, 0.2433, 0.3957.

# 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

47.3487, 0.2433, 0.3957

### Protanopia

46.5212, 0.3464, 0.3668

### Deuteranopia

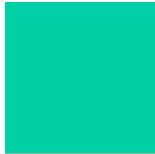
46.3350, 0.3405, 0.3328



## Tritanopia

47.3232, 0.2269, 0.3060

# Trichromacy



## Original Color

47.3487, 0.2433, 0.3957



## Protanomaly

43.3988, 0.2841, 0.3791



## Deuteranomaly

43.0723, 0.2806, 0.3556



## Tritanomaly

47.1942, 0.2312, 0.3377

# Monochromacy



## Original Color

47.3487, 0.2433, 0.3957



## Achromatopsia

26.6356, 0.3127, 0.3290



## Achromatomaly

31.2859, 0.2630, 0.3550

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.3487, 0.2433, 0.3957 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, 207, 165)` looks like.

```
.text, #text, p{  
    color:rgb(1, 207, 165)  
}
```

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, 207, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 207, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 47.3487, 0.2433, 0.3957 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, 207, 165) }
```

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

```
.border{ border-color:rgb(1, 207, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 207, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 207, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 207, 165);  
box-shadow:4px 4px 4px 4px rgb(1, 207,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.3487, 0.2433, 0.3957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 207, 165) }
```

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

```
.background{ background-color: rgb(1, 207,  
165) }
```

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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