

# Converting Colors

$Yxy(55.1757, 0.2531, 0.4312)$

Have a look what the booklet for  
Yxy(55.1757, 0.2531, 0.4312)  
contains.

<b>Yxy(55.1757, 0.2531, 0.4312)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(55.1757, 0.2531, 0.4312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DF9C
RGB	0, 223, 156
RGB Percent	0%, 87%, 61%
CMY	1.0000, 0.1255, 0.3882
CMYK	1.00, 0.00, 0.30, 0.13
HSL	162°, 100%, 44%
HSV	162°, 100%, 87%
XYZ	32.3863, 55.1757, 40.3965
YIQ	148.6850, -111.4010, -68.1130

# Conversions

## Conversions Part 2

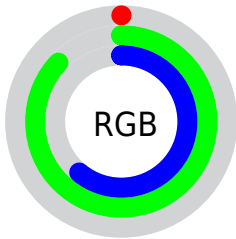
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 131, 223
Decimal	57244
CIELab	79.14, -60.87, 20.33
CIELCh	79, 64.171, 161.533
Yxy	55.1757, 0.2531, 0.4312
Android (android.graphics.Color)	4278247324 (0xFF00DF9C)
YUV	148.6850, 3.6063, -130.3967
Hunter-Lab	74.2803, -52.1645, 19.7521

# Details

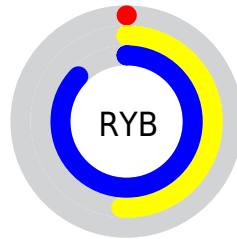
The Yxy color **55.1757, 0.2531, 0.4312** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **16.0943, 0.5791, 0.2964**, and the grayscale version is **29.9370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3489, 0.2588, 0.3832**, and **28.2719, 0.2598, 0.4552** is the 20% darker color. If you saturate the color by 10%, you get **55.1793, 0.2531, 0.4312**, and if you desaturate by 10%, it is **55.5866, 0.2516, 0.4199**.

# Distribution



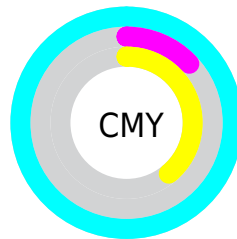
- Red (0%)
- Green (87%)
- Blue (61%)



- Red (0%)
- Yellow (51%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1757, 0.2531, 0.4312 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 55.1757, 0.2531, 0.4312 by changing the saturation by 10% instead.





 55.1757, 0.2531,  
0.4312


 55.1757, 0.2531,  
0.4312


406.5776, 0.2835,  
0.3784


 39.5424, 0.2454,  
0.4449


 97.7983, 0.2642,  
0.4116

 27.1819, 0.2355,  
0.4626


 125.5565, 0.2684,  
0.4044


 17.7099, 0.2222,  
0.4867


 158.1250, 0.2719,  
0.3983

 10.7419, 0.2038,  
0.5207

 195.8884, 0.2749,  
0.3931

 5.8936, 0.1765,  
0.5722

 239.2309, 0.2775,  
0.3887

 2.7805, 0.1259,  
0.6628

288.5370, 0.2797,

 1.0182, 0.0000,

0.3848

1.0000

344.1911, 0.2817,  
0.3814

■ 0.0000, 0.0000,  
0.0000

■ 55.1757, 0.2531,  
0.4312

■ 55.1757, 0.2531,  
0.4312

■ 55.1793, 0.2531,  
0.4312

■ 55.5866, 0.2516,  
0.4199

■ 56.2076, 0.2518,  
0.4084

■ 57.1074, 0.2540,  
0.3969

■ 58.3235, 0.2582,  
0.3856

■ 59.8872, 0.2642,  
0.3745

■ 61.8260, 0.2719,  
0.3640

■ 64.1645, 0.2808,  
0.3541

■ 66.9254, 0.2908,  
0.3450

■ 70.1294, 0.3016,  
0.3366

# Harmonies

## Analogous

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



55.1757, 0.3307, 0.4833



55.1757, 0.2531, 0.4312



55.1757, 0.1961, 0.3399

# Triad

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



55.1757, 0.2531, 0.4312



55.1757, 0.2117, 0.2031



55.1757, 0.4788, 0.3613

# Complementary

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



55.1757, 0.2531, 0.4312



16.0943, 0.5791, 0.2964

# 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.



55.1757, 0.4404, 0.3020



55.1757, 0.2531, 0.4312



55.1757, 0.2760, 0.2159

# Square

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



55.1757, 0.2531, 0.4312



55.1757, 0.1765, 0.2163



55.1757, 0.3612, 0.2509



55.1757, 0.4637, 0.4220

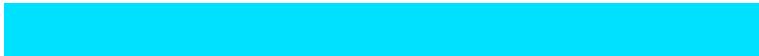


# Rectangle

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



55.1757, 0.2531, 0.4312



55.1757, 0.1757, 0.2839



55.1757, 0.3612, 0.2509



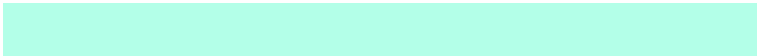
55.1757, 0.4720, 0.3411

# Sweetspot

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



55.1793, 0.2531, 0.4312



86.8713, 0.2806, 0.3543



54.1041, 0.3148, 0.5882



18.2925, 0.2767, 0.3585



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.



55.1793, 0.2531, 0.4312



74.7499, 0.2533, 0.4320



38.8340, 0.2079, 0.2685



15.4985, 0.3022, 0.3361



32.4633, 0.2526, 0.4295



2.2658, 0.2478, 0.4120



# Inverse Universe

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



16.0943, 0.5791, 0.2964



21.7904, 0.5810, 0.2974



17.2669, 0.6223, 0.3441



13.7680, 0.3245, 0.3220



9.4801, 0.5752, 0.2943

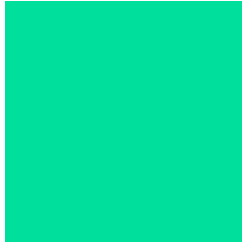


0.6726, 0.5311, 0.2700



# Previews

## White Background



This preview shows how the Yxy color 55.1757, 0.2531, 0.4312 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 55.1757, 0.2531, 0.4312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

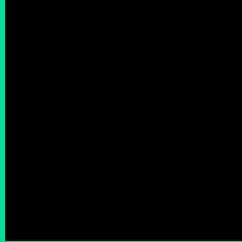
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.1757, 0.2531, 0.4312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.1757, 0.2531, 0.4312.



This preview shows how white text looks on a background with the Yxy color 55.1757, 0.2531, 0.4312.

# 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

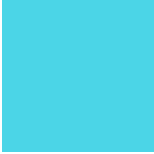
55.1757, 0.2531, 0.4312

### Protanopia

54.1221, 0.3651, 0.3910

### Deuteranopia

54.0683, 0.3634, 0.3559



## **Tritanopia**

54.8539, 0.2284, 0.3048

# Trichromacy



## Original Color

55.1757, 0.2531, 0.4312



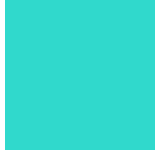
## Protanomaly

50.7873, 0.2983, 0.4112



## Deuteranomaly

49.7214, 0.2968, 0.3842



## Tritanomaly

54.6137, 0.2348, 0.3473

# Monochromacy



## Original Color

55.1757, 0.2531, 0.4312



## Achromatopsia

30.0544, 0.3127, 0.3290



## Achromatomaly

35.7506, 0.2674, 0.3689

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  55.1757, 0.2531, 0.4312 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, 223, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 223, 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, 223, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 223, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1757, 0.2531, 0.4312 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, 223, 156) }
```

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

```
.border{ border-color:rgb(0, 223, 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, 223, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 223, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 223, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 223,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1757, 0.2531, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 223, 156) }
```

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

```
.background{ background-color: rgb(0, 223,  
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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