

# Converting Colors

$Y_{xy}(54.7458, 0.2514, 0.4251)$

Have a look what the booklet for  
Yxy(54.7458, 0.2514, 0.4251)  
contains.

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# Color

**Yxy(54.7458, 0.2514, 0.4251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DE9F
RGB	0, 222, 159
RGB Percent	0%, 87%, 62%
CMY	1.0000, 0.1294, 0.3765
CMYK	1.00, 0.00, 0.28, 0.13
HSL	163°, 100%, 44%
HSV	163°, 100%, 87%
XYZ	32.3761, 54.7458, 41.6614
YIQ	148.4400, -112.0890, -66.6570

# Conversions

## Conversions Part 2

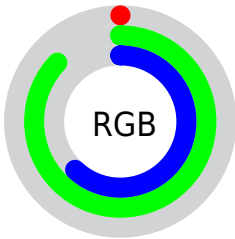
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 129, 222
Decimal	56991
CIELab	78.89, -59.84, 18.42
CIELCh	79, 62.605, 162.893
Yxy	54.7458, 0.2514, 0.4251
Android (android.graphics.Color)	4278247071 (0xFF00DE9F)
YUV	148.4400, 5.2061, -130.1819
Hunter-Lab	73.9904, -51.3766, 18.4092

# Details

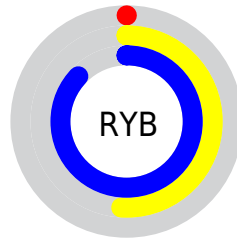
The Yxy color **54.7458, 0.2514, 0.4251** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **15.8898, 0.5848, 0.2995**, and the grayscale version is **29.8225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5008, 0.2575, 0.3793**, and **27.9718, 0.2576, 0.4473** is the 20% darker color. If you saturate the color by 10%, you get **54.7500, 0.2514, 0.4251**, and if you desaturate by 10%, it is **55.1472, 0.2501, 0.4145**.

# Distribution



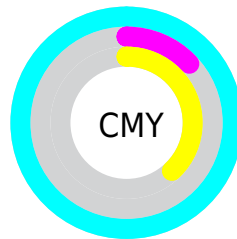
- Red (0%)
- Green (87%)
- Blue (62%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (13%)



- Cyan (100%)
- Magenta (13%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7458, 0.2514, 0.4251 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 54.7458, 0.2514, 0.4251 by changing the saturation by 10% instead.





 54.7458, 0.2514,  
0.4251


 54.7458, 0.2514,  
0.4251


404.9476, 0.2824,  
0.3755


 39.1982, 0.2436,  
0.4379

 97.1684, 0.2627,  
0.4068


 26.9140, 0.2336,  
0.4545


 124.8123, 0.2670,  
0.4000


 17.5086, 0.2202,  
0.4770


 157.2570, 0.2705,  
0.3943

 10.5978, 0.2017,  
0.5088

 194.8870, 0.2736,  
0.3894

 5.7971, 0.1745,  
0.5570

 238.0866, 0.2763,  
0.3852

 2.7221, 0.1244,  
0.6420

287.2404, 0.2786,

 0.9884, 0.0000,

0.3816

1.0000

342.7326, 0.2806,  
0.3784

 0.0000, 0.0000,  
0.0000

 54.7458, 0.2514,  
0.4251


 54.7458, 0.2514,  
0.4251

 54.7500, 0.2514,  
0.4251

 55.1472, 0.2501,  
0.4145

 55.7544, 0.2504,  
0.4037

 56.6365, 0.2528,  
0.3929

 57.8301, 0.2571,  
0.3822

 59.3663, 0.2633,  
0.3719

■ 61.2722, 0.2711,  
0.3620

■ 63.5723, 0.2802,  
0.3527

■ 66.2888, 0.2904,  
0.3440

■ 69.4423, 0.3013,  
0.3362

# Harmonies

## Analogous

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



54.7458, 0.3271, 0.4787



54.7458, 0.2514, 0.4251



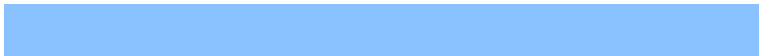
54.7458, 0.1966, 0.3358

# Triad

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



54.7458, 0.2514, 0.4251



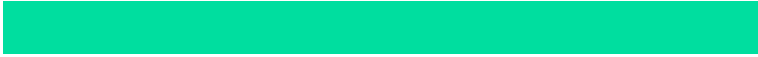
54.7458, 0.2159, 0.2054



54.7458, 0.4758, 0.3639

# Complementary

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



54.7458, 0.2514, 0.4251



15.8898, 0.5848, 0.2995

# 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.



54.7458, 0.4404, 0.3053



54.7458, 0.2514, 0.4251



54.7458, 0.2803, 0.2191

# Square

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



54.7458, 0.2514, 0.4251



54.7458, 0.1799, 0.2173



54.7458, 0.3642, 0.2544



54.7458, 0.4591, 0.4233

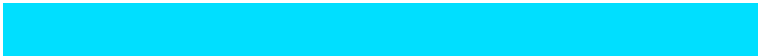


# Rectangle

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



54.7458, 0.2514, 0.4251



54.7458, 0.1773, 0.2819



54.7458, 0.3642, 0.2544



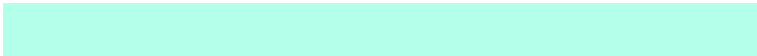
54.7458, 0.4699, 0.3440

# Sweetspot

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



54.7500, 0.2514, 0.4251



86.9440, 0.2800, 0.3529



53.4260, 0.3134, 0.5894



18.3099, 0.2760, 0.3568



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.



54.7500, 0.2514, 0.4251



74.9235, 0.2516, 0.4259



36.9587, 0.2063, 0.2627



15.5025, 0.3019, 0.3357



32.5378, 0.2510, 0.4235



2.2705, 0.2464, 0.4071



# Inverse Universe

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



15.8898, 0.5848, 0.2995



21.7327, 0.5867, 0.3006



17.3623, 0.6194, 0.3464



13.7642, 0.3248, 0.3224



9.4540, 0.5810, 0.2975

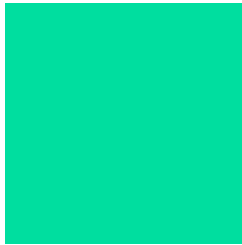


0.6704, 0.5368, 0.2731



# Previews

## White Background



This preview shows how the Yxy color 54.7458, 0.2514, 0.4251 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

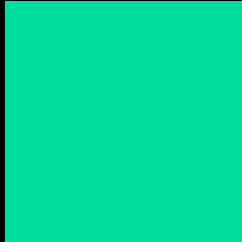
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.7458, 0.2514, 0.4251 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

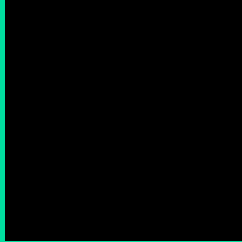
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.7458, 0.2514, 0.4251**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.7458, 0.2514, 0.4251.



This preview shows how white text looks on a background with the Yxy color 54.7458, 0.2514, 0.4251.

# 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

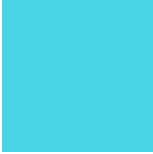
54.7458, 0.2514, 0.4251

### Protanopia

53.4806, 0.3613, 0.3866

### Deuteranopia

53.4374, 0.3594, 0.3514



## **Tritanopia**

54.7575, 0.2286, 0.3060

# Trichromacy



## Original Color

54.7458, 0.2514, 0.4251



## Protanomaly

50.3256, 0.2957, 0.4056



## Deuteranomaly

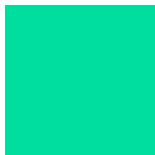
49.1899, 0.2934, 0.3787



## Tritanomaly

54.0757, 0.2343, 0.3459

# Monochromacy



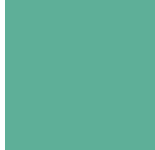
## Original Color

54.7458, 0.2514, 0.4251



## Achromatopsia

29.6138, 0.3127, 0.3290



## Achromatomaly

35.3066, 0.2666, 0.3674

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  54.7458, 0.2514, 0.4251 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, 222, 159)` looks like.

```
.text, #text, p{  
  color:rgb(0, 222, 159)  
}
```

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, 222, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 54.7458, 0.2514, 0.4251 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, 222, 159) }
```

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

```
.border{ border-color:rgb(0, 222, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.7458, 0.2514, 0.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 159) }
```

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

```
.background{ background-color: rgb(0, 222,  
159) }
```

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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