

Converting Colors

Yxy(54.9284, 0.2448, 0.4016)

Have a look what the booklet for
Yxy(54.9284, 0.2448, 0.4016)
contains.

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Color

Yxy(54.7300, 0.2447, 0.4010)

Conversions

Conversions Part 1

Format	Color
Hex	00DDAD
RGB	0, 221, 173
RGB Percent	0%, 87%, 68%
CMY	1.0000, 0.1333, 0.3214
CMYK	1.00, 0.00, 0.22, 0.13
HSL	167°, 100%, 43%
HSV	167°, 100%, 87%
XYZ	33.3976, 54.7300, 48.3562
YIQ	149.4490, -116.3080, -61.7800

Conversions

Conversions Part 2

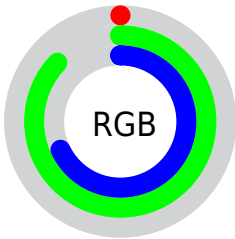
Format	Color
RYB	0, 124, 221
Decimal	56749
CIELab	78.89, -56.16, 11.01
CIELCh	79, 57.230, 168.913
Yxy	54.7300, 0.2447, 0.4010
Android (android.graphics.Color)	4278246829 (0xFF00DDAD)
YUV	149.4490, 11.6106, -131.0668
Hunter-Lab	73.9797, -48.8821, 13.0314

Details

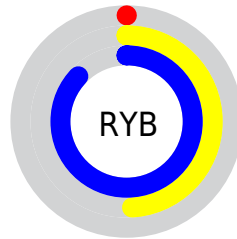
The Yxy color **54.7300, 0.2447, 0.4010** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **15.5863, 0.6054, 0.3108**, and the grayscale version is **30.2440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2472, 0.2515, 0.3614**, and **28.2907, 0.2492, 0.4169** is the 20% darker color. If you saturate the color by 10%, you get **54.7349, 0.2447, 0.4010**, and if you desaturate by 10%, it is **55.0958, 0.2441, 0.3931**.

Distribution



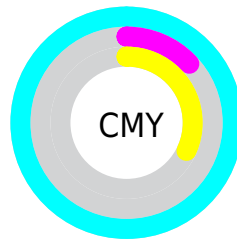
- Red (0%)
- Green (87%)
- Blue (68%)



- Red (0%)
- Yellow (49%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (13%)



- Cyan (100%)
- Magenta (13%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.7300, 0.2447, 0.4010 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 54.7300, 0.2447, 0.4010 by changing the saturation by 10% instead.


 54.7300, 0.2447,
0.4010


 54.7300, 0.2447,
0.4010


404.8876, 0.2783,
0.3645

 39.1856, 0.2365,
0.4102


 97.1453, 0.2568,
0.3877


 26.9041, 0.2261,
0.4221


 124.7849, 0.2613,
0.3827

 17.5012, 0.2125,
0.4380


 157.2250, 0.2652,
0.3785

 10.5925, 0.1940,
0.4602

 194.8501, 0.2686,
0.3749

 5.7935, 0.1676,
0.4933

 238.0445, 0.2715,
0.3718

 2.7199, 0.1244,
0.5493

287.1927, 0.2740,

 0.9873, 0.0000,

0.3690

0.7660

342.6789, 0.2763,
0.3667

■ 0.0000, 0.0000,
0.0000

■ 54.7300, 0.2447,
0.4010

■ 54.7300, 0.2447,
0.4010

■ 54.7349, 0.2447,
0.4010

■ 55.0958, 0.2441,
0.3931

■ 55.6599, 0.2450,
0.3851

■ 56.4913, 0.2479,
0.3770

■ 57.6265, 0.2527,
0.3691

■ 59.0960, 0.2595,
0.3614

■ 60.9264, 0.2679,
0.3540

■ 63.1420, 0.2777,
0.3470

■ 65.7645, 0.2886,
0.3404

■ 68.8144, 0.3004,
0.3344

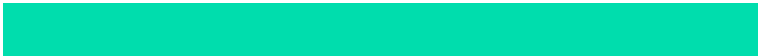
Harmonies

Analogous

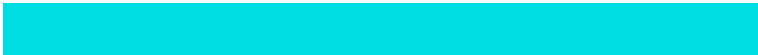
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.7300, 0.3124, 0.4592



54.7300, 0.2447, 0.4010



54.7300, 0.1987, 0.3201

Triad

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



54.7300, 0.2447, 0.4010



54.7300, 0.2334, 0.2149



54.7300, 0.4631, 0.3742

Complementary

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



54.7300, 0.2447, 0.4010



15.5863, 0.6054, 0.3108

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.



54.7300, 0.4397, 0.3186



54.7300, 0.2447, 0.4010



54.7300, 0.2979, 0.2320

Square

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



54.7300, 0.2447, 0.4010



54.7300, 0.1940, 0.2215



54.7300, 0.3757, 0.2687



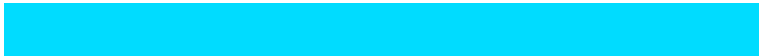
54.7300, 0.4403, 0.4278

Rectangle

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



54.7300, 0.2447, 0.4010



54.7300, 0.1843, 0.2741



54.7300, 0.3757, 0.2687



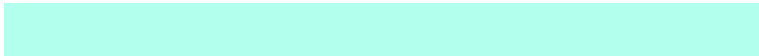
54.7300, 0.4607, 0.3555

Sweetspot

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



54.7349, 0.2447, 0.4010



87.2405, 0.2774, 0.3471



52.4351, 0.3084, 0.5933



18.3812, 0.2731, 0.3500



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.



54.7349, 0.2447, 0.4010



75.6738, 0.2449, 0.4016



31.0867, 0.1997, 0.2389



14.7786, 0.3011, 0.3341



31.8116, 0.2444, 0.3998



2.0732, 0.2408, 0.3868

Inverse Universe

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



15.5863, 0.6054, 0.3108



21.5392, 0.6071, 0.3118



18.4945, 0.6059, 0.3571



13.0976, 0.3258, 0.3239



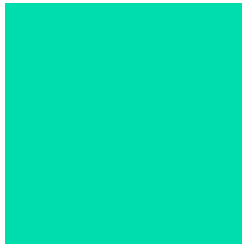
9.0675, 0.6018, 0.3089



0.6004, 0.5559, 0.2836

Previews

White Background



This preview shows how the Yxy color 54.7300, 0.2447, 0.4010 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 54.7300, 0.2447, 0.4010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

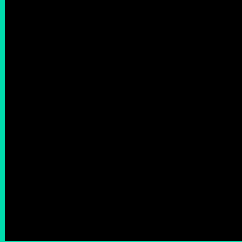
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

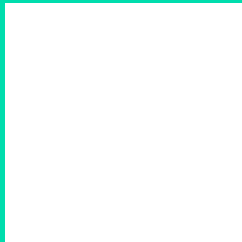
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.7300, 0.2447, 0.4010

Background



This preview shows how black text looks on a background with the Yxy color 54.7300, 0.2447, 0.4010.

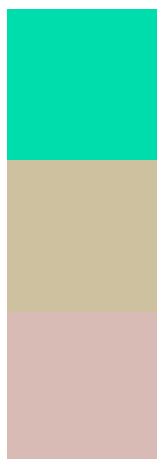


This preview shows how white text looks on a background with the Yxy color 54.7300, 0.2447, 0.4010.

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

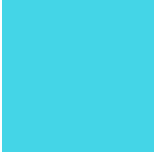
54.7300, 0.2447, 0.4010

Protanopia

53.6223, 0.3492, 0.3708

Deuteranopia

53.6286, 0.3430, 0.3361



Tritanopia

54.5870, 0.2266, 0.3046

Trichromacy



Original Color

54.7300, 0.2447, 0.4010



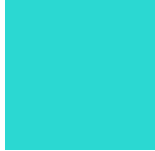
Protanomaly

50.1380, 0.2861, 0.3850



Deuteranomaly

49.4645, 0.2821, 0.3584



Tritanomaly

54.2785, 0.2310, 0.3372

Monochromacy



Original Color

54.7300, 0.2447, 0.4010



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

35.5615, 0.2632, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7300, 0.2447, 0.4010 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, 221, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 173)  
}
```

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, 221, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 173) }
```

Border

The CSS property to change the border of an element to Yxy 54.7300, 0.2447, 0.4010 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, 221, 173) }
```

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

```
.border{ border-color:rgb(0, 221, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 221, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 221,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7300, 0.2447, 0.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 221, 173) }
```

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

```
.background{ background-color: rgb(0, 221,  
173) }
```

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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