

Converting Colors

$Yxy(54.6743, 0.2379, 0.3876)$

Have a look what the booklet for
Yxy(54.6743, 0.2379, 0.3876)
contains.

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Color

$\text{Yxy}(55.0903, 0.2407, 0.3867)$

Conversions

Conversions Part 1

Format	Color
Hex	00DDB6
RGB	0, 221, 182
RGB Percent	0%, 87%, 71%
CMY	1.0000, 0.1333, 0.2863
CMYK	1.00, 0.00, 0.18, 0.13
HSL	169°, 100%, 43%
HSV	169°, 100%, 87%
XYZ	34.2908, 55.0903, 53.0816
YIQ	150.4750, -119.1970, -58.9810

Conversions

Conversions Part 2

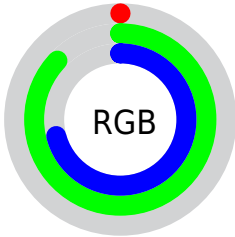
Format	Color
RYB	0, 121, 221
Decimal	56758
CIELab	79.09, -53.94, 6.55
CIELCh	79, 54.336, 173.080
Yxy	55.0903, 0.2407, 0.3867
Android (android.graphics.Color)	4278246838 (0xFF00DDB6)
YUV	150.4750, 15.5418, -131.9666
Hunter-Lab	74.2228, -47.4234, 9.5539

Details

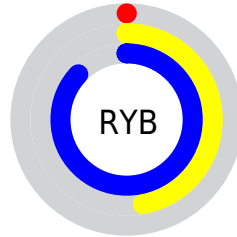
The Yxy color **55.0903, 0.2407, 0.3867** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.5212, 0.6157, 0.3165**, and the grayscale version is **30.6861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8812, 0.2476, 0.3490**, and **28.4952, 0.2444, 0.3999** is the 20% darker color. If you saturate the color by 10%, you get **55.0985, 0.2408, 0.3867**, and if you desaturate by 10%, it is **55.4338, 0.2405, 0.3804**.

Distribution



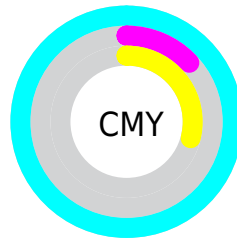
- Red (0%)
- Green (87%)
- Blue (71%)



- Red (0%)
- Yellow (47%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0903, 0.2407, 0.3867 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 55.0903, 0.2407, 0.3867 by changing the saturation by 10% instead.


 55.0903, 0.2407,
0.3867


 55.0903, 0.2407,
0.3867


406.2541, 0.2758,
0.3580

 39.4740, 0.2323,
0.3938


 97.6732, 0.2532,
0.3763


 27.1287, 0.2216,
0.4029


 125.4087, 0.2580,
0.3724


 17.6699, 0.2078,
0.4149


 157.9527, 0.2620,
0.3691

 10.7133, 0.1893,
0.4315

 195.6896, 0.2656,
0.3662

 5.8744, 0.1633,
0.4556

 239.0038, 0.2686,
0.3637

 2.7688, 0.1236,
0.4945

288.2797, 0.2713,

 1.0123, 0.0000,

0.3616

0.6132

343.9017, 0.2737,
0.3597

■ 0.0000, 0.0000,
0.0000

■ 55.0903, 0.2407,
0.3867

■ 55.0903, 0.2407,
0.3867

■ 55.0985, 0.2408,
0.3867

■ 55.4338, 0.2405,
0.3804

■ 55.9702, 0.2418,
0.3740

■ 56.7718, 0.2450,
0.3676

■ 57.8748, 0.2501,
0.3613

■ 59.3098, 0.2572,
0.3551

■ 61.1035, 0.2659,
0.3492

■ 63.2799, 0.2762,
0.3435

■ 65.8611, 0.2876,
0.3383

■ 68.8671, 0.2998,
0.3334

Harmonies

Analogous

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



55.0903, 0.3034, 0.4467



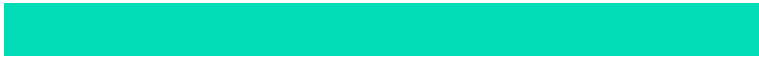
55.0903, 0.2407, 0.3867



55.0903, 0.2002, 0.3111

Triad

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



55.0903, 0.2407, 0.3867



55.0903, 0.2445, 0.2210



55.0903, 0.4550, 0.3804

Complementary

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



55.0903, 0.2407, 0.3867



15.5212, 0.6157, 0.3165

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.



55.0903, 0.4387, 0.3268



55.0903, 0.2407, 0.3867



55.0903, 0.3089, 0.2402

Square

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



55.0903, 0.2407, 0.3867



55.0903, 0.2030, 0.2241



55.0903, 0.3824, 0.2776



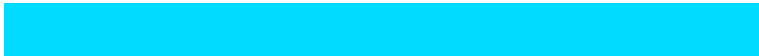
55.0903, 0.4286, 0.4300

Rectangle

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



55.0903, 0.2407, 0.3867



55.0903, 0.1888, 0.2697



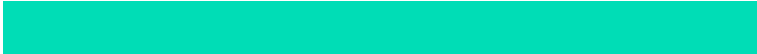
55.0903, 0.3824, 0.2776



55.0903, 0.4547, 0.3625

Sweetspot

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



55.0985, 0.2408, 0.3867



87.4248, 0.2759, 0.3437



52.1827, 0.3054, 0.5957



18.4257, 0.2714, 0.3460



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.



55.0985, 0.2408, 0.3867



76.1725, 0.2409, 0.3872



27.3633, 0.1947, 0.2208



14.7881, 0.3006, 0.3332



32.0176, 0.2405, 0.3857



2.0848, 0.2376, 0.3754

Inverse Universe

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



15.5212, 0.6157, 0.3165



21.4496, 0.6172, 0.3174



19.7534, 0.5940, 0.3665



13.0889, 0.3264, 0.3249



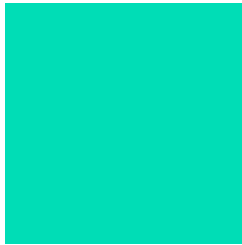
9.0268, 0.6125, 0.3148



0.5963, 0.5693, 0.2910

Previews

White Background



This preview shows how the Yxy color 55.0903, 0.2407, 0.3867 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 55.0903, 0.2407, 0.3867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

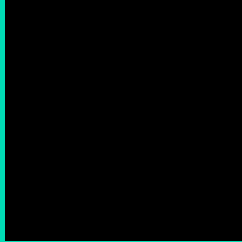
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

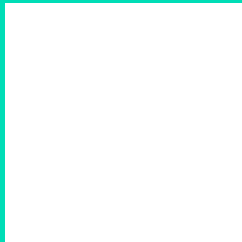
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.0903, 0.2407, 0.3867

Background



This preview shows how black text looks on a background with the Yxy color 55.0903, 0.2407, 0.3867.



This preview shows how white text looks on a background with the Yxy color 55.0903, 0.2407, 0.3867.

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

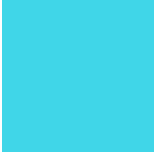
55.0903, 0.2407, 0.3867

Protanopia

54.2481, 0.3410, 0.3609

Deuteranopia

54.0876, 0.3346, 0.3279



Tritanopia

55.0093, 0.2256, 0.3047

Trichromacy



Original Color

55.0903, 0.2407, 0.3867



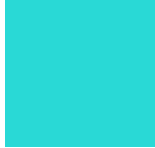
Protanomaly

50.9487, 0.2806, 0.3729



Deuteranomaly

50.1721, 0.2765, 0.3483



Tritanomaly

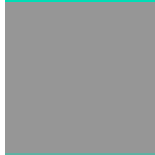
54.9522, 0.2294, 0.3329

Monochromacy



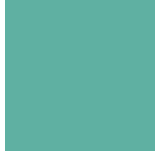
Original Color

55.0903, 0.2407, 0.3867



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

36.0922, 0.2609, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0903, 0.2407, 0.3867 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 182) }
```

Border

The CSS property to change the border of an element to Yxy 55.0903, 0.2407, 0.3867 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, 182) }
```

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

```
.border{ border-color:rgb(0, 221, 182) }
```

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, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 221,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 55.0903, 0.2407, 0.3867 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, 182) }
```

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

```
.background{ background-color: rgb(0, 221,  
182) }
```

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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