

Converting Colors

$Y_{xy}(53.1091, 0.2394, 0.3797)$

Have a look what the booklet for
Yxy(53.1091, 0.2394, 0.3797)
contains.

Yxy(53.1091, 0.2394, 0.3797)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(53.1091, 0.2394, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	0AD9B7
RGB	10, 217, 183
RGB Percent	4%, 85%, 72%
CMY	0.9601, 0.1490, 0.2824
CMYK	0.95, 0.00, 0.16, 0.15
HSL	170°, 91%, 45%
HSV	170°, 95%, 85%
XYZ	33.4852, 53.1091, 53.2769
YIQ	151.2310, -112.4580, -54.4580

Conversions

Conversions Part 2

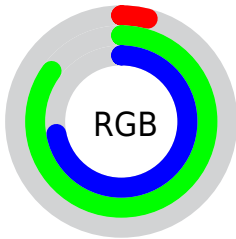
Format	Color
RYB	10, 123, 217
Decimal	711095
CIELab	77.94, -51.78, 4.36
CIELCh	78, 51.959, 175.182
Yxy	53.1091, 0.2394, 0.3797
Android (android.graphics.Color)	4278901175 (0xFF0AD9B7)
YUV	151.2310, 15.6621, -123.8596
Hunter-Lab	72.8760, -45.5155, 7.6685

Details

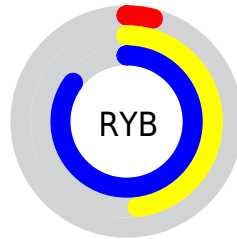
The Yxy color **53.1091, 0.2394, 0.3797** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.1563, 0.6064, 0.3149**, and the grayscale version is **31.0427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0032, 0.2475, 0.3478**, and **27.1014, 0.2419, 0.3908** is the 20% darker color. If you saturate the color by 10%, you get **52.9762, 0.2396, 0.3824**, and if you desaturate by 10%, it is **53.5011, 0.2399, 0.3738**.

Distribution



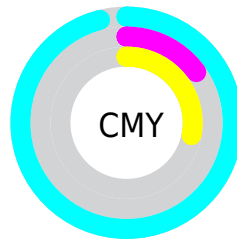
- Red (4%)
- Green (85%)
- Blue (72%)



- Red (4%)
- Yellow (48%)
- Blue (85%)



- Cyan (95%)
- Magenta (0%)
- Yellow (16%)
- Black (15%)





- Cyan (96%)
- Magenta (15%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1091, 0.2394, 0.3797 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 53.1091, 0.2394, 0.3797 by changing the saturation by 10% instead.

 53.1091, 0.2394,
0.3797

 53.1091, 0.2394,
0.3797


398.7036, 0.2752,
0.3545

 37.8899, 0.2308,
0.3859


 94.7649, 0.2522,
0.3706


 25.8972, 0.2199,
0.3938


 121.9702, 0.2570,
0.3672


 16.7468, 0.2058,
0.4043


 153.9397, 0.2612,
0.3643

 10.0541, 0.1869,
0.4186

 191.0578, 0.2647,
0.3618

 5.4348, 0.1602,
0.4394

 233.7088, 0.2679,
0.3596

 2.5046, 0.1179,
0.4735

282.2772, 0.2706,

 0.8789, 0.0000,

0.3577

0.5742

337.1473, 0.2730,
0.3560

■ 0.0000, 0.0000,
0.0000

■ 53.1091, 0.2394,
0.3797

■ 53.1091, 0.2394,
0.3797

■ 52.9762, 0.2396,
0.3824

■ 53.5011, 0.2399,
0.3738

■ 54.1229, 0.2422,
0.3679

■ 55.0155, 0.2464,
0.3620

■ 56.2105, 0.2525,
0.3562

■ 57.7354, 0.2605,
0.3506

■ 59.6143, 0.2701,
0.3452

■ 61.8692, 0.2810,
0.3402

■ 64.5203, 0.2930,
0.3355

■ 67.5862, 0.3057,
0.3311

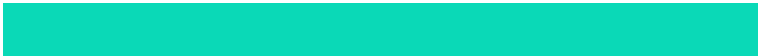
Harmonies

Analogous

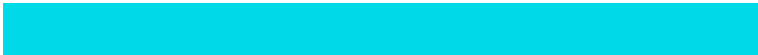
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.1091, 0.2993, 0.4398



53.1091, 0.2394, 0.3797



53.1091, 0.2017, 0.3073

Triad

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



53.1091, 0.2394, 0.3797



53.1091, 0.2503, 0.2245



53.1091, 0.4502, 0.3831

Complementary

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



53.1091, 0.2394, 0.3797



15.1563, 0.6064, 0.3149

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.



53.1091, 0.4372, 0.3308



53.1091, 0.2394, 0.3797



53.1091, 0.3141, 0.2447

Square

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



53.1091, 0.2394, 0.3797



53.1091, 0.2080, 0.2261



53.1091, 0.3849, 0.2823



53.1091, 0.4223, 0.4302

Rectangle

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



53.1091, 0.2394, 0.3797



53.1091, 0.1918, 0.2681



53.1091, 0.3849, 0.2823



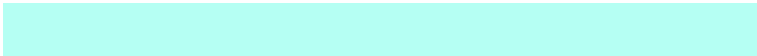
53.1091, 0.4507, 0.3657

Sweetspot

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



53.1111, 0.2394, 0.3797



87.8110, 0.2766, 0.3421



50.1994, 0.3060, 0.5923



18.5015, 0.2719, 0.3443



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.



53.1111, 0.2394, 0.3797



76.3271, 0.2397, 0.3830



26.2743, 0.1954, 0.2208



14.7909, 0.3004, 0.3329



32.0814, 0.2393, 0.3816



2.0884, 0.2367, 0.3720

Inverse Universe

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



15.1563, 0.6064, 0.3149



21.4267, 0.6198, 0.3188



20.3834, 0.5783, 0.3745



13.0863, 0.3266, 0.3252



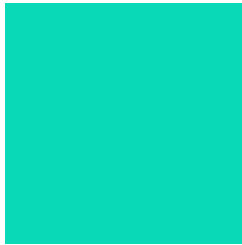
9.0163, 0.6153, 0.3163



0.5951, 0.5735, 0.2933

Previews

White Background



This preview shows how the Yxy color 53.1091, 0.2394, 0.3797 looks on a white background.

Color Contrast Check

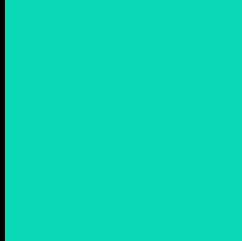
Large Text (above 18pt) WCAG AA × Fail

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 53.1091, 0.2394, 0.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

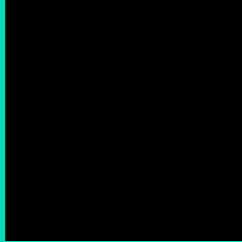
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

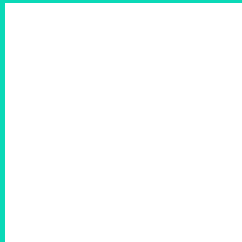
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.1091, 0.2394, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 53.1091, 0.2394, 0.3797.

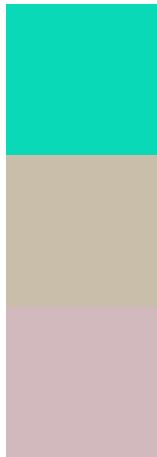


This preview shows how white text looks on a background with the Yxy color 53.1091, 0.2394, 0.3797.

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

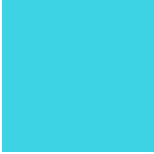
53.1091, 0.2394, 0.3797

Protanopia

51.9708, 0.3376, 0.3552

Deuteranopia

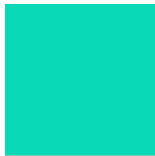
52.1173, 0.3299, 0.3231



Tritanopia

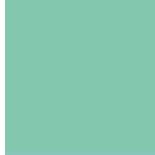
53.2141, 0.2256, 0.3057

Trichromacy



Original Color

53.1091, 0.2394, 0.3797



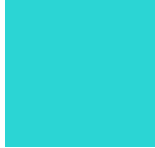
Protanomaly

49.1898, 0.2802, 0.3660



Deuteranomaly

48.8387, 0.2755, 0.3428



Tritanomaly

52.8556, 0.2291, 0.3302

Monochromacy



Original Color

53.1091, 0.2394, 0.3797



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

36.0136, 0.2631, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1091, 0.2394, 0.3797 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(10, 217, 183)` looks like.

```
.text, #text, p{  
    color:rgb(10, 217, 183)  
}
```

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(10, 217, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 217, 183) }
```

Border

The CSS property to change the border of an element to Yxy 53.1091, 0.2394, 0.3797 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(10, 217, 183) }
```

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

```
.border{ border-color:rgb(10, 217, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 217, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 217, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 217, 183);  
box-shadow:4px 4px 4px 4px rgb(10, 217,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1091, 0.2394, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 217, 183) }
```

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

```
.background{ background-color: rgb(10, 217,  
183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor