

# Converting Colors

$Y_{xy}(53.4551, 0.2420, 0.3883)$

Have a look what the booklet for  
Yxy(53.4551, 0.2420, 0.3883)  
contains.

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# Color

**Yxy(53.4427, 0.2422, 0.3890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0DDAB2
RGB	13, 218, 178
RGB Percent	5%, 85%, 70%
CMY	0.9477, 0.1451, 0.3021
CMYK	0.94, 0.00, 0.18, 0.15
HSL	168°, 88%, 45%
HSV	168°, 94%, 85%
XYZ	33.2746, 53.4427, 50.6675
YIQ	152.1450, -109.3400, -55.9000

# Conversions

## Conversions Part 2

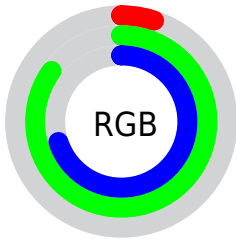
Format	Color
<a href="#">RYB</a>	<a href="#">13, 127, 218</a>
Decimal	<a href="#">907954</a>
CIELab	<a href="#">78.14, -53.36, 7.32</a>
CIELCh	<a href="#">78, 53.863, 172.190</a>
Yxy	<a href="#">53.4427, 0.2422, 0.3890</a>
Android (android.graphics.Color)	<a href="#">4279098034</a> ( <a href="#">0xFF0DDAB2</a> )
YUV	<a href="#">152.1450, 12.7465, -122.0302</a>
Hunter-Lab	<a href="#">73.1045, -46.6860, 10.0802</a>

# Details

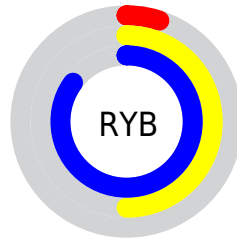
The Yxy color **53.4427, 0.2422, 0.3890** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.4626, 0.5942, 0.3092**, and the grayscale version is **31.4897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7117, 0.2496, 0.3539**, and **27.3213, 0.2454, 0.4033** is the 20% darker color. If you saturate the color by 10%, you get **53.2528, 0.2426, 0.3933**, and if you desaturate by 10%, it is **53.8903, 0.2426, 0.3819**.

# Distribution



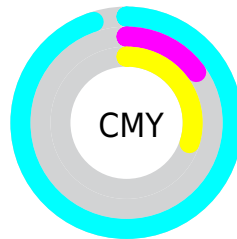
- Red (5%)
- Green (85%)
- Blue (70%)



- Red (5%)
- Yellow (50%)
- Blue (85%)



- Cyan (94%)
- Magenta (0%)
- Yellow (18%)
- Black (15%)




- Cyan (95%)
- Magenta (15%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4427, 0.2422, 0.3890 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 53.4427, 0.2422, 0.3890 by changing the saturation by 10% instead.





 53.4427, 0.2422,  
0.3890

 53.4427, 0.2422,  
0.3890


399.9813, 0.2768,  
0.3589


 38.1563, 0.2338,  
0.3965


 95.2555, 0.2546,  
0.3780

 26.1040, 0.2232,  
0.4062


 122.5506, 0.2593,  
0.3739


 16.9015, 0.2093,  
0.4191

 154.6175, 0.2633,  
0.3704

 10.1643, 0.1906,  
0.4370

 191.8405, 0.2668,  
0.3675

 5.5080, 0.1641,  
0.4634

 234.6039, 0.2698,  
0.3649

 2.5483, 0.1207,  
0.5080

283.2923, 0.2724,

 0.9007, 0.0000,

0.3626

0.6576

338.2900, 0.2747,  
0.3606

■ 0.0000, 0.0000,  
0.0000

■ 53.4427, 0.2422,  
0.3890

■ 53.4427, 0.2422,  
0.3890

■ 53.2528, 0.2426,  
0.3933

■ 53.8903, 0.2426,  
0.3819

■ 54.5779, 0.2449,  
0.3747

■ 55.5457, 0.2492,  
0.3676

■ 56.8249, 0.2554,  
0.3607

■ 58.4428, 0.2634,  
0.3539

■ 60.4236, 0.2729,  
0.3475

■ 62.7890, 0.2836,  
0.3415

■ 65.5594, 0.2954,  
0.3359

■ 68.7534, 0.3078,  
0.3308

# Harmonies

## Analogous

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



53.4427, 0.3054, 0.4480



53.4427, 0.2422, 0.3890



53.4427, 0.2008, 0.3132

# Triad

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



53.4427, 0.2422, 0.3890



53.4427, 0.2428, 0.2206



53.4427, 0.4554, 0.3789

# Complementary

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



53.4427, 0.2422, 0.3890



15.4626, 0.5942, 0.3092

# 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.



53.4427, 0.4377, 0.3253



53.4427, 0.2422, 0.3890



53.4427, 0.3067, 0.2392

# Square

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



53.4427, 0.2422, 0.3890



53.4427, 0.2020, 0.2245



53.4427, 0.3804, 0.2763

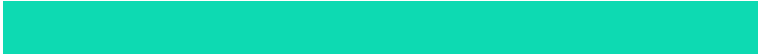


53.4427, 0.4300, 0.4288



# Rectangle

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



53.4427, 0.2422, 0.3890



53.4427, 0.1889, 0.2712



53.4427, 0.3804, 0.2763



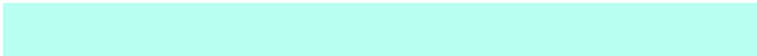
53.4427, 0.4546, 0.3610

# Sweetspot

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



53.4448, 0.2422, 0.3890



88.0141, 0.2788, 0.3441



50.9650, 0.3086, 0.5894



18.5324, 0.2742, 0.3467



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.



53.4448, 0.2422, 0.3890



75.9341, 0.2428, 0.3939



29.1299, 0.1992, 0.2338



14.7836, 0.3008, 0.3336



31.9192, 0.2423, 0.3923



2.0793, 0.2391, 0.3807



# Inverse Universe

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



15.4626, 0.5942, 0.3092



21.4892, 0.6127, 0.3149



19.9322, 0.5831, 0.3691



13.0929, 0.3261, 0.3244



9.0449, 0.6077, 0.3121

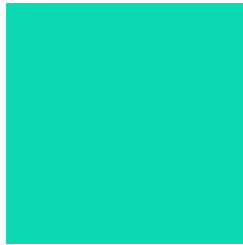


0.5982, 0.5629, 0.2874



# Previews

## White Background



This preview shows how the Yxy color 53.4427, 0.2422, 0.3890 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 53.4427, 0.2422, 0.3890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

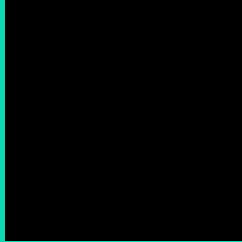
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

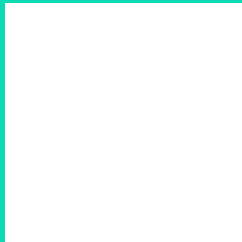
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.4427, 0.2422, 0.3890**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.4427, 0.2422, 0.3890.

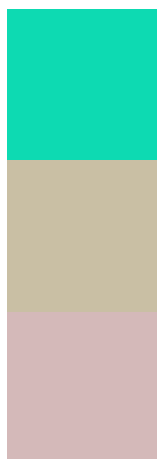


This preview shows how white text looks on a background with the Yxy color 53.4427, 0.2422, 0.3890.

# 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

53.4427, 0.2422, 0.3890

### Protanopia

52.3594, 0.3422, 0.3626

### Deuteranopia

52.1978, 0.3357, 0.3291



## Tritanopia

53.3138, 0.2264, 0.3057

# Trichromacy



## Original Color

53.4427, 0.2422, 0.3890



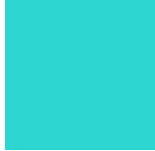
## Protanomaly

49.6244, 0.2847, 0.3746



## Deuteranomaly

48.8854, 0.2807, 0.3498



## Tritanomaly

53.3271, 0.2308, 0.3344

# Monochromacy



## Original Color

53.4427, 0.2422, 0.3890



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

36.4487, 0.2659, 0.3532

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4427, 0.2422, 0.3890 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(13, 218, 178)` looks like.

```
.text, #text, p{  
    color:rgb(13, 218, 178)  
}
```

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(13, 218, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 218, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4427, 0.2422, 0.3890 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(13, 218, 178) }
```

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

```
.border{ border-color:rgb(13, 218, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 218, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 218, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 218, 178);  
box-shadow:4px 4px 4px 4px rgb(13, 218,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4427, 0.2422, 0.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 218, 178) }
```

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

```
.background{ background-color: rgb(13, 218,  
178) }
```

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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