

Converting Colors

$Y_{xy}(53.6301, 0.2451, 0.4016)$

Have a look what the booklet for
Yxy(53.6301, 0.2451, 0.4016)
contains.

Yxy(53.6227, 0.2451, 0.4017)	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(53.6227, 0.2451, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	03DBAB
RGB	3, 219, 171
RGB Percent	1%, 86%, 67%
CMY	0.9884, 0.1412, 0.3294
CMYK	0.99, 0.00, 0.22, 0.14
HSL	167°, 97%, 44%
HSV	167°, 99%, 86%
XYZ	32.7183, 53.6227, 47.1485
YIQ	148.9440, -113.3280, -60.7200

Conversions

Conversions Part 2

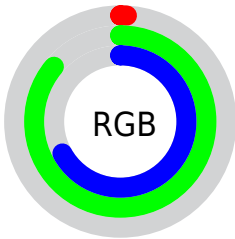
Format	Color
RYB	3, 125, 219
Decimal	252843
CIELab	78.24, -55.79, 11.18
CIELCh	78, 56.902, 168.673
Yxy	53.6227, 0.2451, 0.4017
Android (android.graphics.Color)	4278442923 (0xFF03DBAB)
YUV	148.9440, 10.8736, -127.9929
Hunter-Lab	73.2275, -48.3939, 13.0847

Details

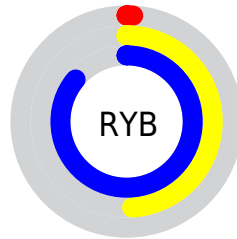
The Yxy color **53.6227, 0.2451, 0.4017** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **15.3638, 0.6001, 0.3090**, and the grayscale version is **30.0142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1368, 0.2523, 0.3640**, and **27.5263, 0.2494, 0.4180** is the 20% darker color. If you saturate the color by 10%, you get **53.5807, 0.2452, 0.4028**, and if you desaturate by 10%, it is **53.9996, 0.2445, 0.3936**.

Distribution



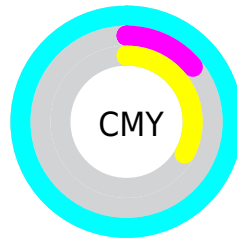
- Red (1%)
- Green (86%)
- Blue (67%)



- Red (1%)
- Yellow (49%)
- Blue (86%)



- Cyan (99%)
- Magenta (0%)
- Yellow (22%)
- Black (14%)





- Cyan (99%)
- Magenta (14%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.6227, 0.2451, 0.4017 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 53.6227, 0.2451, 0.4017 by changing the saturation by 10% instead.


 53.6227, 0.2451,
0.4017


 53.6227, 0.2451,
0.4017


400.6696, 0.2786,
0.3647


 38.3001, 0.2369,
0.4111


 95.5200, 0.2572,
0.3881

 26.2157, 0.2264,
0.4232


 122.8636, 0.2617,
0.3831


 16.9851, 0.2127,
0.4395


 154.9829, 0.2656,
0.3788

 10.2238, 0.1940,
0.4624

 192.2623, 0.2690,
0.3752

 5.5476, 0.1671,
0.4967

 235.0863, 0.2718,
0.3720

 2.5720, 0.1206,
0.5565

283.8393, 0.2744,

 0.9126, 0.0000,

0.3693

0.8114

338.9056, 0.2766,
0.3669

■ 0.0000, 0.0000,
0.0000

■ 53.6227, 0.2451,
0.4017

■ 53.6227, 0.2451,
0.4017

■ 53.5807, 0.2452,
0.4028

■ 53.9996, 0.2445,
0.3936

■ 54.5893, 0.2457,
0.3853

■ 55.4464, 0.2488,
0.3771

■ 56.6054, 0.2539,
0.3690

■ 58.0957, 0.2608,
0.3611

■ 59.9429, 0.2694,
0.3536

■ 62.1704, 0.2793,
0.3465

■ 64.7994, 0.2903,
0.3399

■ 67.8494, 0.3021,
0.3338

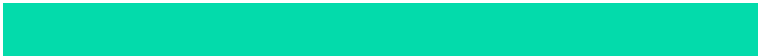
Harmonies

Analogous

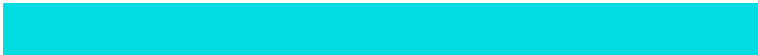
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.6227, 0.3130, 0.4596



53.6227, 0.2451, 0.4017



53.6227, 0.1989, 0.3207

Triad

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



53.6227, 0.2451, 0.4017



53.6227, 0.2329, 0.2148



53.6227, 0.4633, 0.3738

Complementary

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



53.6227, 0.2451, 0.4017



15.3638, 0.6001, 0.3090

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.



53.6227, 0.4394, 0.3181



53.6227, 0.2451, 0.4017



53.6227, 0.2973, 0.2317

Square

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



53.6227, 0.2451, 0.4017



53.6227, 0.1937, 0.2215



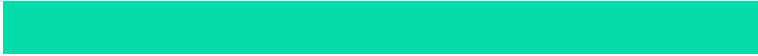
53.6227, 0.3751, 0.2683



53.6227, 0.4408, 0.4275

Rectangle

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



53.6227, 0.2451, 0.4017



53.6227, 0.1843, 0.2745



53.6227, 0.3751, 0.2683



53.6227, 0.4607, 0.3550

Sweetspot

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



53.6248, 0.2451, 0.4017



87.2172, 0.2776, 0.3476



51.4391, 0.3089, 0.5921



18.3756, 0.2733, 0.3506



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.



53.6248, 0.2451, 0.4017



75.6124, 0.2454, 0.4035



30.7609, 0.2003, 0.2403



14.7775, 0.3012, 0.3342



31.7862, 0.2449, 0.4016



2.0717, 0.2412, 0.3883

Inverse Universe

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



15.3638, 0.6001, 0.3090



21.5521, 0.6056, 0.3110



18.3591, 0.6026, 0.3583



13.0987, 0.3257, 0.3238



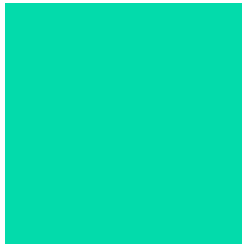
9.0733, 0.6003, 0.3081



0.6009, 0.5542, 0.2827

Previews

White Background



This preview shows how the Yxy color 53.6227, 0.2451, 0.4017 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 53.6227, 0.2451, 0.4017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

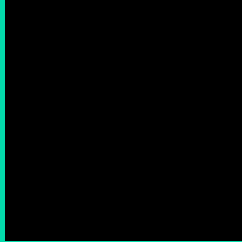
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.6227, 0.2451, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 53.6227, 0.2451, 0.4017.

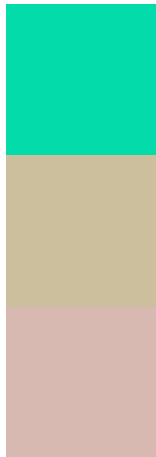


This preview shows how white text looks on a background with the Yxy color 53.6227, 0.2451, 0.4017.

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

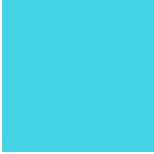
53.6227, 0.2451, 0.4017

Protanopia

52.3924, 0.3496, 0.3712

Deuteranopia

52.3593, 0.3442, 0.3374



Tritanopia

53.4189, 0.2271, 0.3057

Trichromacy



Original Color

53.6227, 0.2451, 0.4017



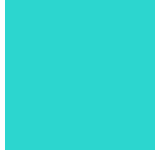
Protanomaly

49.1277, 0.2872, 0.3854



Deuteranomaly

48.4309, 0.2839, 0.3601



Tritanomaly

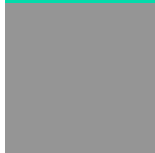
53.1336, 0.2317, 0.3387

Monochromacy



Original Color

53.6227, 0.2451, 0.4017



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

35.1932, 0.2643, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.6227, 0.2451, 0.4017 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(3, 219, 171)` looks like.

```
.text, #text, p{  
    color:rgb(3, 219, 171)  
}
```

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(3, 219, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 219, 171) }
```

Border

The CSS property to change the border of an element to Yxy 53.6227, 0.2451, 0.4017 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(3, 219, 171) }
```

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

```
.border{ border-color:rgb(3, 219, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 219, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 219, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 219, 171);  
box-shadow:4px 4px 4px 4px rgb(3, 219,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 53.6227, 0.2451, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 219, 171) }
```

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

```
.background{ background-color: rgb(3, 219,  
171) }
```

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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