

Converting Colors

$Yxy(49.9164, 0.2061, 0.4104)$

Have a look what the booklet for
Yxy(49.9164, 0.2061, 0.4104)
contains.

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Color

Yxy(54.1267, 0.2453, 0.4030)

Conversions

Conversions Part 1

Format	Color
Hex	00DCAB
RGB	0, 220, 171
RGB Percent	0%, 86%, 67%
CMY	0.9988, 0.1373, 0.3294
CMYK	1.00, 0.00, 0.22, 0.14
HSL	167°, 100%, 43%
HSV	167°, 100%, 86%
XYZ	32.9461, 54.1267, 47.2366
YIQ	148.6340, -115.3910, -61.8790

Conversions

Conversions Part 2

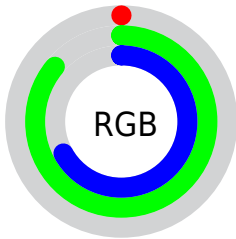
Format	Color
RYB	0, 124, 220
Decimal	56491
CIELab	78.54, -56.25, 11.59
CIELCh	79, 57.432, 168.359
Yxy	54.1267, 0.2453, 0.4030
Android (android.graphics.Color)	4278246571 (0xFF00DCAB)
YUV	148.6340, 11.0264, -130.3520
Hunter-Lab	73.5709, -48.8141, 13.4321

Details

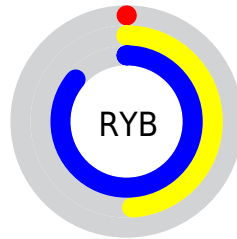
The Yxy color **54.1267, 0.2453, 0.4030** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **15.4468, 0.6032, 0.3098**, and the grayscale version is **29.9231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1368, 0.2523, 0.3640**, and **27.8828, 0.2499, 0.4196** is the 20% darker color. If you saturate the color by 10%, you get **54.1242, 0.2453, 0.4031**, and if you desaturate by 10%, it is **54.4916, 0.2446, 0.3948**.

Distribution



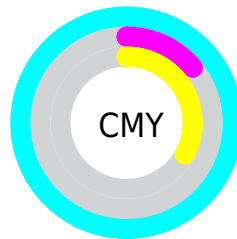
- Red (0%)
- Green (86%)
- Blue (67%)



- Red (0%)
- Yellow (49%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (14%)




- Cyan (100%)
- Magenta (14%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.1267, 0.2453, 0.4030 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 54.1267, 0.2453, 0.4030 by changing the saturation by 10% instead.

 54.1267, 0.2453,
0.4030


 54.1267, 0.2453,
0.4030


402.5930, 0.2787,
0.3654

 38.7030, 0.2371,
0.4125


 96.2603, 0.2573,
0.3892

 26.5287, 0.2267,
0.4249


 123.7389, 0.2619,
0.3841

 17.2196, 0.2130,
0.4414


 156.0045, 0.2657,
0.3797

 10.3912, 0.1944,
0.4646

 193.4417, 0.2691,
0.3760

 5.6591, 0.1677,
0.4994

 236.4347, 0.2719,
0.3728

 2.6389, 0.1224,
0.5594

285.3680, 0.2745,

 0.9463, 0.0000,

0.3700

0.8123

340.6260, 0.2767,
0.3676

■ 0.0000, 0.0000,
0.0000

■ 54.1267, 0.2453,
0.4030

■ 54.1267, 0.2453,
0.4030

■ 54.1242, 0.2453,
0.4031

■ 54.4916, 0.2446,
0.3948

■ 55.0575, 0.2455,
0.3866

■ 55.8889, 0.2484,
0.3783

■ 57.0216, 0.2532,
0.3701

■ 58.4859, 0.2599,
0.3622

■ 60.3080, 0.2683,
0.3546

■ 62.5117, 0.2781,
0.3474

■ 65.1188, 0.2890,
0.3407

■ 68.1492, 0.3007,
0.3345

Harmonies

Analogous

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



54.1267, 0.3137, 0.4609



54.1267, 0.2453, 0.4030



54.1267, 0.1986, 0.3215

Triad

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



54.1267, 0.2453, 0.4030



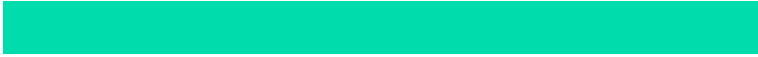
54.1267, 0.2319, 0.2141



54.1267, 0.4642, 0.3733

Complementary

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



54.1267, 0.2453, 0.4030



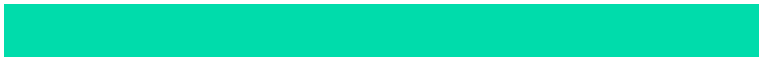
15.4468, 0.6032, 0.3098

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.



54.1267, 0.4397, 0.3174



54.1267, 0.2453, 0.4030



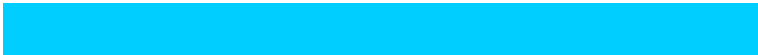
54.1267, 0.2964, 0.2309

Square

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



54.1267, 0.2453, 0.4030



54.1267, 0.1928, 0.2212



54.1267, 0.3747, 0.2675



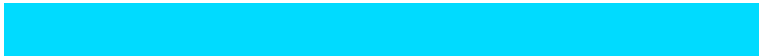
54.1267, 0.4419, 0.4274

Rectangle

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



54.1267, 0.2453, 0.4030



54.1267, 0.1838, 0.2748



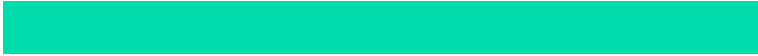
54.1267, 0.3747, 0.2675



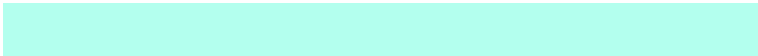
54.1267, 0.4614, 0.3545

Sweetspot

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



54.1288, 0.2453, 0.4030



87.2135, 0.2777, 0.3476



51.9061, 0.3084, 0.5932



18.3747, 0.2734, 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.



54.1288, 0.2453, 0.4030



75.6028, 0.2455, 0.4038



30.8048, 0.1998, 0.2391



14.7773, 0.3012, 0.3343



31.7822, 0.2450, 0.4019



2.0715, 0.2413, 0.3885

Inverse Universe

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



15.4468, 0.6032, 0.3098



21.5542, 0.6054, 0.3109



18.3334, 0.6055, 0.3572



13.0988, 0.3257, 0.3238



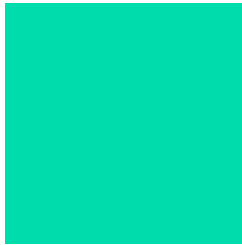
9.0743, 0.6001, 0.3079



0.6010, 0.5539, 0.2825

Previews

White Background



This preview shows how the Yxy color 54.1267, 0.2453, 0.4030 looks on a white background.

Color Contrast Check

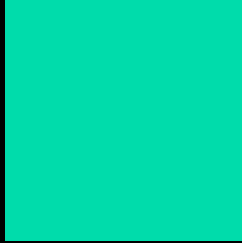
Large Text (above 18pt) WCAG AA × Fail

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 54.1267, 0.2453, 0.4030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

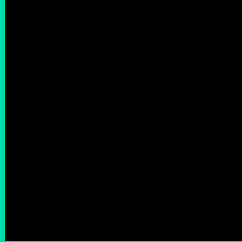
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

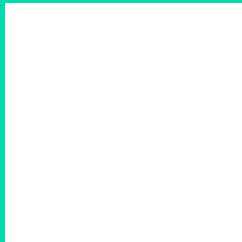
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.1267, 0.2453, 0.4030

Background



This preview shows how black text looks on a background with the Yxy color 54.1267, 0.2453, 0.4030.

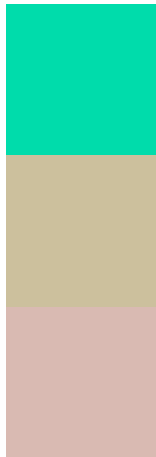


This preview shows how white text looks on a background with the Yxy color 54.1267, 0.2453, 0.4030.

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

54.1267, 0.2453, 0.4030

Protanopia

52.9710, 0.3502, 0.3722

Deuteranopia

53.0839, 0.3457, 0.3385



Tritanopia

53.9731, 0.2271, 0.3058

Trichromacy



Original Color

54.1267, 0.2453, 0.4030



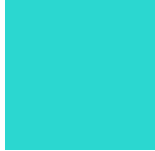
Protanomaly

49.5955, 0.2873, 0.3867



Deuteranomaly

48.8866, 0.2840, 0.3614



Tritanomaly

53.6685, 0.2315, 0.3387

Monochromacy



Original Color

54.1267, 0.2453, 0.4030



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

35.5272, 0.2639, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1267, 0.2453, 0.4030 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, 220, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 220, 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(0, 220, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 220, 171) }
```

Border

The CSS property to change the border of an element to Yxy 54.1267, 0.2453, 0.4030 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, 220, 171) }
```

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

```
.border{ border-color:rgb(0, 220, 171) }
```

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

Here you see how a box with a 4 pixel rgb(0, 220, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 220, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 220, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 220,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1267, 0.2453, 0.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 220, 171) }
```

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

```
.background{ background-color: rgb(0, 220,  
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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