

Converting Colors

$Y_{xy}(53.2000, 0.2577, 0.4476)$

Have a look what the booklet for
Yxy(53.2000, 0.2577, 0.4476)
contains.

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Color

Yxy(53.2000, 0.2577, 0.4476)

Conversions

Conversions Part 1

Format	Color
Hex	00DC90
RGB	0, 220, 144
RGB Percent	0%, 86%, 56%
CMY	0.9982, 0.1373, 0.4354
CMYK	1.00, 0.00, 0.35, 0.14
HSL	159°, 100%, 43%
HSV	159°, 100%, 86%
XYZ	30.6292, 53.2000, 35.0269
YIQ	145.5560, -106.7240, -70.2760

Conversions

Conversions Part 2

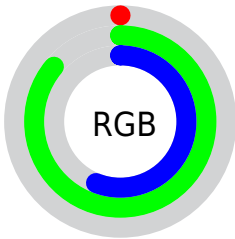
Format	Color
RYB	0, 133, 220
Decimal	56464
CIELab	77.99, -62.35, 25.02
CIELCh	78, 67.178, 158.136
Yxy	53.2000, 0.2577, 0.4476
Android (android.graphics.Color)	4278246544 (0xFF00DC90)
YUV	145.5560, -0.7671, -127.6526
Hunter-Lab	72.9383, -52.6840, 22.5842

Details

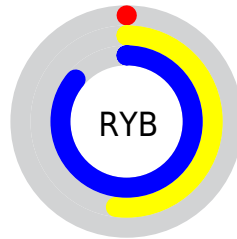
The Yxy color **53.2000, 0.2577, 0.4476** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **15.7539, 0.5614, 0.2868**, and the grayscale version is **28.6456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6614, 0.2642, 0.4005**, and **26.9847, 0.2652, 0.4749** is the 20% darker color. If you saturate the color by 10%, you get **53.1945, 0.2577, 0.4479**, and if you desaturate by 10%, it is **53.6158, 0.2558, 0.4345**.

Distribution



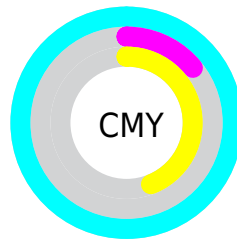
- Red (0%)
- Green (86%)
- Blue (56%)



- Red (0%)
- Yellow (52%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (14%)




- Cyan (100%)
- Magenta (14%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2000, 0.2577, 0.4476 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 53.2000, 0.2577, 0.4476 by changing the saturation by 10% instead.


 53.2000, 0.2577,
0.4476


 53.2000, 0.2577,
0.4476


399.0520, 0.2866,
0.3854


 37.9625, 0.2501,
0.4639


 94.8986, 0.2685,
0.4244

 25.9535, 0.2402,
0.4853


 122.1284, 0.2724,
0.4159

 16.7889, 0.2267,
0.5144


 154.1245, 0.2758,
0.4087

 10.0841, 0.2073,
0.5560

 191.2712, 0.2786,
0.4026

 5.4547, 0.1780,
0.6191

 233.9529, 0.2810,
0.3974

 2.5165, 0.1123,
0.7608

282.5540, 0.2831,

 0.8849, 0.0000,

0.3929

1.0000

337.4589, 0.2849,
0.3889

■ 0.0000, 0.0000,
0.0000

■ 53.2000, 0.2577,
0.4476

■ 53.2000, 0.2577,
0.4476

■ 53.1945, 0.2577,
0.4479

■ 53.6158, 0.2558,
0.4345

■ 54.2424, 0.2556,
0.4211

■ 55.1440, 0.2575,
0.4077

■ 56.3565, 0.2614,
0.3944

■ 57.9103, 0.2670,
0.3816

■ 59.8321, 0.2743,
0.3693

■ 62.1456, 0.2828,
0.3578

■ 64.8728, 0.2923,
0.3472

■ 68.0339, 0.3024,
0.3376

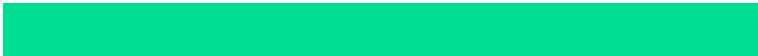
Harmonies

Analogous

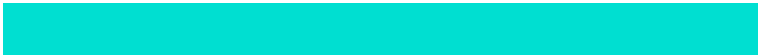
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.2000, 0.3402, 0.4949



53.2000, 0.2577, 0.4476



53.2000, 0.1950, 0.3513

Triad

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



53.2000, 0.2577, 0.4476



53.2000, 0.2008, 0.1971



53.2000, 0.4866, 0.3544

Complementary

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



53.2000, 0.2577, 0.4476



15.7539, 0.5614, 0.2868

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.



53.2000, 0.4400, 0.2934



53.2000, 0.2577, 0.4476



53.2000, 0.2646, 0.2078

Square

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



53.2000, 0.2577, 0.4476



53.2000, 0.1679, 0.2139



53.2000, 0.3531, 0.2418



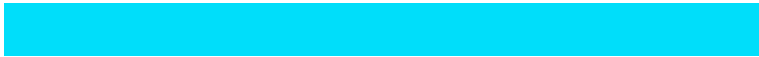
53.2000, 0.4757, 0.4182

Rectangle

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



53.2000, 0.2577, 0.4476



53.2000, 0.1714, 0.2897



53.2000, 0.3531, 0.2418



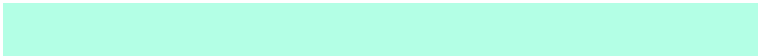
53.2000, 0.4774, 0.3335

Sweetspot

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



53.2021, 0.2577, 0.4476



86.6739, 0.2824, 0.3583



52.7774, 0.3182, 0.5855



18.2452, 0.2787, 0.3631



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.



53.2021, 0.2577, 0.4476



74.2987, 0.2580, 0.4489



40.7395, 0.2112, 0.2802



14.7490, 0.3028, 0.3372



31.2410, 0.2572, 0.4459



2.0399, 0.2512, 0.4244

Inverse Universe

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



15.7539, 0.5614, 0.2868



21.9697, 0.5641, 0.2881



16.3257, 0.6268, 0.3403



13.1256, 0.3238, 0.3209



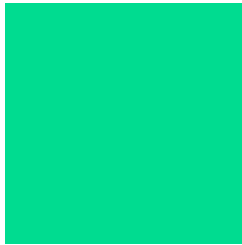
9.2567, 0.5580, 0.2848



0.6156, 0.5123, 0.2596

Previews

White Background



This preview shows how the Yxy color 53.2000, 0.2577, 0.4476 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 53.2000, 0.2577, 0.4476 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 53.2000, 0.2577, 0.4476

Background



This preview shows how black text looks on a background with the Yxy color 53.2000, 0.2577, 0.4476.

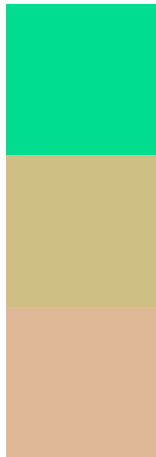


This preview shows how white text looks on a background with the Yxy color 53.2000, 0.2577, 0.4476.

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

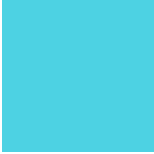
53.2000, 0.2577, 0.4476

Protanopia

52.1929, 0.3731, 0.4013

Deuteranopia

52.2360, 0.3737, 0.3667



Tritanopia

53.2170, 0.2297, 0.3058

Trichromacy



Original Color

53.2000, 0.2577, 0.4476



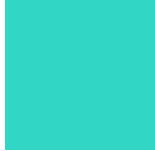
Protanomaly

48.9242, 0.3053, 0.4258



Deuteranomaly

47.8532, 0.3042, 0.3983



Tritanomaly

52.7773, 0.2370, 0.3535

Monochromacy



Original Color

53.2000, 0.2577, 0.4476



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

34.2586, 0.2702, 0.3767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2000, 0.2577, 0.4476 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, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 220, 144)  
}
```

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, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 220, 144) }
```

Border

The CSS property to change the border of an element to Yxy 53.2000, 0.2577, 0.4476 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, 144) }
```

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

```
.border{ border-color:rgb(0, 220, 144) }
```

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, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 220, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 220, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 220,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2000, 0.2577, 0.4476 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, 144) }
```

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

```
.background{ background-color: rgb(0, 220,  
144) }
```

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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