

Converting Colors

$Y_{xy}(53.6387, 0.2593, 0.4535)$

Have a look what the booklet for
Yxy(53.6387, 0.2593, 0.4535)
contains.

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Color

Yxy(53.6360, 0.2593, 0.4536)

Conversions

Conversions Part 1

Format	Color
Hex	00DD8D
RGB	0, 221, 141
RGB Percent	0%, 87%, 55%
CMY	1.0000, 0.1333, 0.4469
CMYK	1.00, 0.00, 0.36, 0.13
HSL	158°, 100%, 43%
HSV	158°, 100%, 87%
XYZ	30.6610, 53.6360, 33.9482
YIQ	145.8010, -106.0360, -71.7320

Conversions

Conversions Part 2

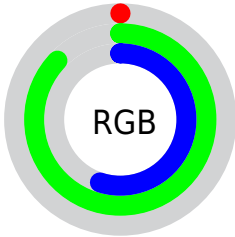
Format	Color
RYB	0, 135, 221
Decimal	56717
CIELab	78.25, -63.33, 26.88
CIElCh	78, 68.800, 157.001
Yxy	53.6360, 0.2593, 0.4536
Android (android.graphics.Color)	4278246797 (0xFF00DD8D)
YUV	145.8010, -2.3669, -127.8675
Hunter-Lab	73.2366, -53.4339, 23.7823

Details

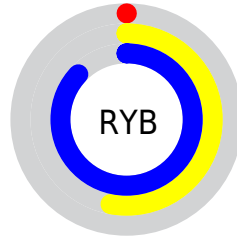
The Yxy color **53.6360, 0.2593, 0.4536** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.9523, 0.5560, 0.2837**, and the grayscale version is **28.7048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5243, 0.2655, 0.4045**, and **27.2891, 0.2674, 0.4825** is the 20% darker color. If you saturate the color by 10%, you get **53.6415, 0.2593, 0.4536**, and if you desaturate by 10%, it is **54.0601, 0.2573, 0.4399**.

Distribution



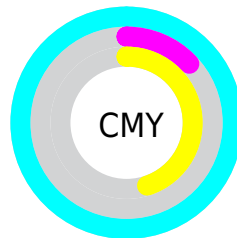
- Red (0%)
- Green (87%)
- Blue (55%)



- Red (0%)
- Yellow (53%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.6360, 0.2593, 0.4536 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 53.6360, 0.2593, 0.4536 by changing the saturation by 10% instead.


 53.6360, 0.2593,
0.4536

 53.6360, 0.2593,
0.4536


400.7204, 0.2876,
0.3882

 38.3107, 0.2518,
0.4708


 95.5396, 0.2699,
0.4292


 26.2239, 0.2419,
0.4932


 122.8867, 0.2738,
0.4202


 16.9912, 0.2285,
0.5238

 155.0098, 0.2770,
0.4127

 10.2283, 0.2091,
0.5674

 192.2935, 0.2798,
0.4063

 5.5506, 0.1794,
0.6333

 235.1219, 0.2821,
0.4008

 2.5738, 0.1145,
0.7875

283.8797, 0.2842,

 0.9135, 0.0000,

0.3961

1.0000

338.9510, 0.2860,
0.3919

■ 0.0000, 0.0000,
0.0000

■ 53.6360, 0.2593,
0.4536

■ 53.6360, 0.2593,
0.4536

■ 53.6415, 0.2593,
0.4536

■ 54.0601, 0.2573,
0.4399

■ 54.6927, 0.2569,
0.4259

■ 55.6038, 0.2586,
0.4118

■ 56.8299, 0.2623,
0.3979

■ 58.4019, 0.2678,
0.3843

■ 60.3468, 0.2749,
0.3715

■ 62.6889, 0.2832,
0.3594

■ 65.4503, 0.2925,
0.3483

■ 68.6516, 0.3024,
0.3381

Harmonies

Analogous

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



53.6360, 0.3435, 0.4990



53.6360, 0.2593, 0.4536



53.6360, 0.1945, 0.3554

Triad

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



53.6360, 0.2593, 0.4536



53.6360, 0.1970, 0.1949



53.6360, 0.4895, 0.3520

Complementary

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



53.6360, 0.2593, 0.4536



15.9523, 0.5560, 0.2837

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.



53.6360, 0.4399, 0.2904



53.6360, 0.2593, 0.4536



53.6360, 0.2606, 0.2049

Square

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



53.6360, 0.2593, 0.4536



53.6360, 0.1648, 0.2129



53.6360, 0.3502, 0.2386



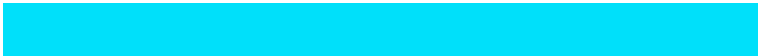
53.6360, 0.4801, 0.4168

Rectangle

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



53.6360, 0.2593, 0.4536



53.6360, 0.1698, 0.2918



53.6360, 0.3502, 0.2386



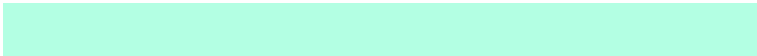
53.6360, 0.4793, 0.3308

Sweetspot

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



53.6415, 0.2593, 0.4536



86.6078, 0.2830, 0.3597



53.4684, 0.3197, 0.5843



18.2295, 0.2793, 0.3647



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.



53.6415, 0.2593, 0.4536



74.1545, 0.2596, 0.4546



42.7188, 0.2127, 0.2857



14.7454, 0.3030, 0.3376



31.1808, 0.2587, 0.4515



2.0363, 0.2525, 0.4291

Inverse Universe

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



15.9523, 0.5560, 0.2837



22.0375, 0.5580, 0.2848



16.2753, 0.6294, 0.3384



13.1290, 0.3235, 0.3206



9.2860, 0.5519, 0.2814



0.6178, 0.5069, 0.2566

Previews

White Background



This preview shows how the Yxy color 53.6360, 0.2593, 0.4536 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 53.6360, 0.2593, 0.4536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

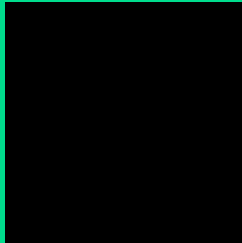
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.6360, 0.2593, 0.4536

Background



This preview shows how black text looks on a background with the Yxy color 53.6360, 0.2593, 0.4536.

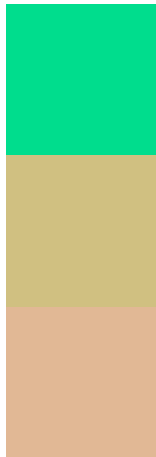


This preview shows how white text looks on a background with the Yxy color 53.6360, 0.2593, 0.4536.

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

53.6360, 0.2593, 0.4536

Protanopia

52.6941, 0.3759, 0.4057

Deuteranopia

52.4585, 0.3781, 0.3699



Tritanopia

53.3143, 0.2296, 0.3045

Trichromacy



Original Color

53.6360, 0.2593, 0.4536



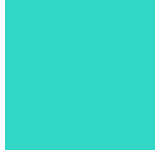
Protanomaly

49.3109, 0.3072, 0.4315



Deuteranomaly

47.8475, 0.3070, 0.4026



Tritanomaly

52.7568, 0.2377, 0.3550

Monochromacy



Original Color

53.6360, 0.2593, 0.4536



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

34.2279, 0.2709, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.6360, 0.2593, 0.4536 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, 221, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 141)  
}
```

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, 221, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 141) }
```

Border

The CSS property to change the border of an element to Yxy 53.6360, 0.2593, 0.4536 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, 221, 141) }
```

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

```
.border{ border-color:rgb(0, 221, 141) }
```

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

Here you see how a box with a 4 pixel rgb(0, 221, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 221,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 53.6360, 0.2593, 0.4536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 221, 141) }
```

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

```
.background{ background-color: rgb(0, 221,  
141) }
```

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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