

Converting Colors

$Y_{xy}(50.7032, 0.2312, 0.4597)$

Have a look what the booklet for
Yxy(50.7032, 0.2312, 0.4597)
contains.

Yxy(53.1394, 0.2586, 0.4509)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.1394, 0.2586, 0.4509)

Conversions

Conversions Part 1

Format	Color
Hex	00DC8E
RGB	0, 220, 142
RGB Percent	0%, 86%, 56%
CMY	0.9992, 0.1372, 0.4432
CMYK	1.00, 0.00, 0.35, 0.14
HSL	159°, 100%, 43%
HSV	159°, 100%, 86%
XYZ	30.4765, 53.1394, 34.2360
YIQ	145.3280, -106.0820, -70.8980

Conversions

Conversions Part 2

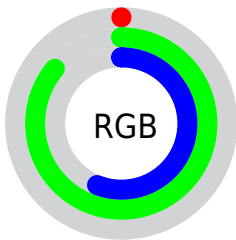
Format	Color
RYB	0, 134, 220
Decimal	56462
CIELab	77.96, -62.76, 26.00
CIELCh	78, 67.933, 157.501
Yxy	53.1394, 0.2586, 0.4509
Android (android.graphics.Color)	4278246542 (0xFF00DC8E)
YUV	145.3280, -1.6407, -127.4527
Hunter-Lab	72.8968, -52.9426, 23.1822

Details

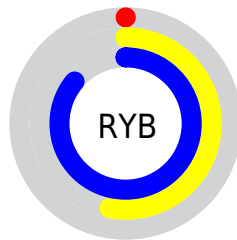
The Yxy color **53.1394, 0.2586, 0.4509** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.7736, 0.5584, 0.2850**, and the grayscale version is **28.5208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5697, 0.2651, 0.4031**, and **26.9497, 0.2664, 0.4792** is the 20% darker color. If you saturate the color by 10%, you get **53.1380, 0.2586, 0.4510**, and if you desaturate by 10%, it is **53.5559, 0.2566, 0.4375**.

Distribution



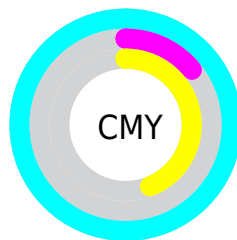
- Red (0%)
- Green (86%)
- Blue (56%)



- Red (0%)
- Yellow (53%)
- 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 53.1394, 0.2586, 0.4509 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 53.1394, 0.2586, 0.4509 by changing the saturation by 10% instead.


 53.1394, 0.2586,
0.4509


 53.1394, 0.2586,
0.4509

398.8197, 0.2871,
0.3869


 37.9141, 0.2511,
0.4677

 94.8095, 0.2693,
0.4270


 25.9160, 0.2411,
0.4898


 122.0230, 0.2732,
0.4182


 16.7608, 0.2276,
0.5198


 154.0013, 0.2765,
0.4108

 10.0641, 0.2082,
0.5626

 191.1290, 0.2793,
0.4046

 5.4415, 0.1784,
0.6277

 233.7902, 0.2817,
0.3992

 2.5086, 0.1112,
0.7807

282.3695, 0.2837,

 0.8809, 0.0000,

0.3946

1.0000

337.2512, 0.2855,
0.3905

■ 0.0000, 0.0000,
0.0000

■ 53.1394, 0.2586,
0.4509

■ 53.1394, 0.2586,
0.4509

■ 53.1380, 0.2586,
0.4510

■ 53.5559, 0.2566,
0.4375

■ 54.1826, 0.2564,
0.4238

■ 55.0846, 0.2581,
0.4100

■ 56.2980, 0.2619,
0.3963

■ 57.8532, 0.2675,
0.3831

■ 59.7768, 0.2746,
0.3705

■ 62.0929, 0.2830,
0.3587

■ 64.8232, 0.2924,
0.3478

■ 67.9882, 0.3024,
0.3379

Harmonies

Analogous

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



53.1394, 0.3420, 0.4971



53.1394, 0.2586, 0.4509



53.1394, 0.1947, 0.3536

Triad

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



53.1394, 0.2586, 0.4509



53.1394, 0.1987, 0.1959



53.1394, 0.4882, 0.3531

Complementary

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



53.1394, 0.2586, 0.4509



15.7736, 0.5584, 0.2850

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.



53.1394, 0.4399, 0.2918



53.1394, 0.2586, 0.4509



53.1394, 0.2624, 0.2062

Square

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



53.1394, 0.2586, 0.4509



53.1394, 0.1662, 0.2134



53.1394, 0.3515, 0.2400



53.1394, 0.4781, 0.4174

Rectangle

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



53.1394, 0.2586, 0.4509



53.1394, 0.1705, 0.2909



53.1394, 0.3515, 0.2400



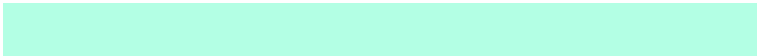
53.1394, 0.4784, 0.3320

Sweetspot

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



53.1415, 0.2586, 0.4509



86.6372, 0.2827, 0.3591



52.9284, 0.3198, 0.5842



18.2365, 0.2790, 0.3640



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.



53.1415, 0.2586, 0.4509



74.2181, 0.2589, 0.4521



42.2978, 0.2127, 0.2858



14.7470, 0.3029, 0.3374



31.2074, 0.2581, 0.4490



2.0379, 0.2520, 0.4270

Inverse Universe

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



15.7736, 0.5584, 0.2850



22.0069, 0.5607, 0.2863



16.1204, 0.6292, 0.3385



13.1275, 0.3236, 0.3207



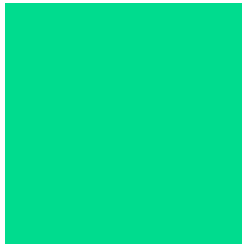
9.2727, 0.5547, 0.2829



0.6168, 0.5093, 0.2579

Previews

White Background



This preview shows how the Yxy color 53.1394, 0.2586, 0.4509 looks on a white background.

Color Contrast Check

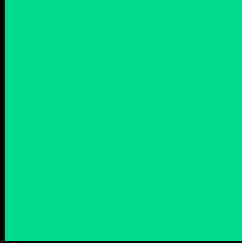
Large Text (above 18pt) WCAG AA × Fail

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 53.1394, 0.2586, 0.4509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

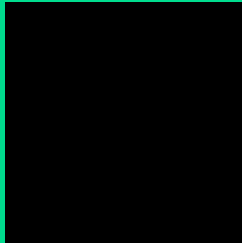
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.1394, 0.2586, 0.4509

Background



This preview shows how black text looks on a background with the Yxy color 53.1394, 0.2586, 0.4509.

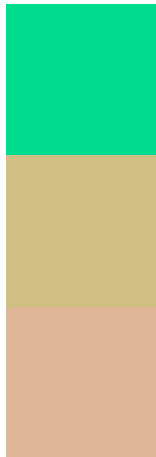


This preview shows how white text looks on a background with the Yxy color 53.1394, 0.2586, 0.4509.

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

53.1394, 0.2586, 0.4509

Protanopia

52.1387, 0.3747, 0.4037

Deuteranopia

51.7570, 0.3758, 0.3679



Tritanopia

53.2170, 0.2297, 0.3058

Trichromacy



Original Color

53.1394, 0.2586, 0.4509



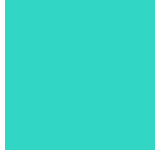
Protanomaly

48.8678, 0.3066, 0.4288



Deuteranomaly

47.3372, 0.3056, 0.4000



Tritanomaly

52.7316, 0.2375, 0.3550

Monochromacy



Original Color

53.1394, 0.2586, 0.4509



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

33.7940, 0.2700, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1394, 0.2586, 0.4509 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, 142)` looks like.

```
.text, #text, p{  
  color:rgb(0, 220, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 220, 142) }
```

Border

The CSS property to change the border of an element to Yxy 53.1394, 0.2586, 0.4509 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, 142) }
```

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

```
.border{ border-color:rgb(0, 220, 142) }
```

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, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 220, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 220, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 220,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1394, 0.2586, 0.4509 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, 142) }
```

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

```
.background{ background-color: rgb(0, 220,  
142) }
```

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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