

Converting Colors

$Y_{xy}(53.9928, 0.2557, 0.4470)$

Have a look what the booklet for
Yxy(53.9928, 0.2557, 0.4470)
contains.

Yxy(54.3179, 0.2574, 0.4465)	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(54.3179, 0.2574, 0.4465)

Conversions

Conversions Part 1

Format	Color
Hex	01DE92
RGB	1, 222, 146
RGB Percent	0%, 87%, 57%
CMY	0.9979, 0.1294, 0.4275
CMYK	1.00, 0.00, 0.34, 0.13
HSL	159°, 100%, 44%
HSV	159°, 100%, 87%
XYZ	31.3134, 54.3179, 36.0213
YIQ	147.2570, -107.3200, -70.4880

Conversions

Conversions Part 2

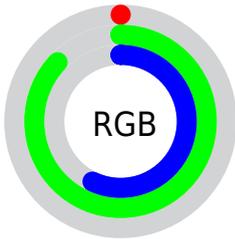
Format	Color
RYB	1, 134, 222
Decimal	122514
CIELab	78.65, -62.63, 24.86
CIELCh	79, 67.384, 158.350
Yxy	54.3179, 0.2574, 0.4465
Android (android.graphics.Color)	4278312594 (0xFF01DE92)
YUV	147.2570, -0.6197, -128.2674
Hunter-Lab	73.7007, -53.1365, 22.6124

Details

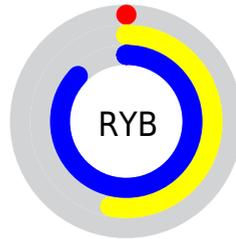
The Yxy color **54.3179, 0.2574, 0.4465** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **16.0706, 0.5626, 0.2875**, and the grayscale version is **29.2641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8159, 0.2637, 0.3977**, and **27.7365, 0.2648, 0.4732** is the 20% darker color. If you saturate the color by 10%, you get **54.3108, 0.2575, 0.4468**, and if you desaturate by 10%, it is **54.7408, 0.2555, 0.4335**.

Distribution



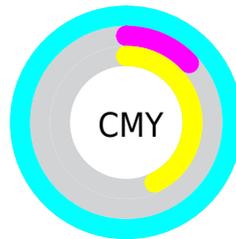
- Red (0%)
- Green (87%)
- Blue (57%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (13%)



- Cyan (100%)
- Magenta (13%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3179, 0.2574, 0.4465 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 54.3179, 0.2574, 0.4465 by changing the saturation by 10% instead.

 54.3179, 0.2574,
0.4465

 54.3179, 0.2574,
0.4465

403.3211, 0.2863,
0.3851

 38.8559, 0.2499,
0.4625

 96.5409, 0.2681,
0.4236

 26.6476, 0.2400,
0.4835

 124.0706, 0.2721,
0.4152

 17.3088, 0.2267,
0.5119

 156.3916, 0.2754,
0.4082

 10.4549, 0.2077,
0.5524

 193.8885, 0.2782,
0.4022

 5.7016, 0.1790,
0.6136

 236.9454, 0.2807,
0.3970

 2.6645, 0.1201,
0.7386

285.9469, 0.2828,

 0.9592, 0.0000,

0.3925

1.0000

341.2773, 0.2846,
0.3886

■ 0.0000, 0.0000,
0.0000

■ 54.3179, 0.2574,
0.4465

■ 54.3179, 0.2574,
0.4465

■ 54.3108, 0.2575,
0.4468

■ 54.7408, 0.2555,
0.4335

■ 55.3794, 0.2554,
0.4203

■ 56.2987, 0.2573,
0.4070

■ 57.5355, 0.2612,
0.3938

■ 59.1207, 0.2669,
0.3811

■ 61.0814, 0.2742,
0.3689

■ 63.4423, 0.2827,
0.3575

■ 66.2256, 0.2922,
0.3470

■ 69.4519, 0.3024,
0.3374

Harmonies

Analogous

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



54.3179, 0.3395, 0.4941



54.3179, 0.2574, 0.4465



54.3179, 0.1950, 0.3505

Triad

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



54.3179, 0.2574, 0.4465



54.3179, 0.2015, 0.1975



54.3179, 0.4861, 0.3549

Complementary

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



54.3179, 0.2574, 0.4465



16.0706, 0.5626, 0.2875

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.



54.3179, 0.4401, 0.2940



54.3179, 0.2574, 0.4465



54.3179, 0.2654, 0.2083

Square

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



54.3179, 0.2574, 0.4465



54.3179, 0.1685, 0.2140



54.3179, 0.3537, 0.2424



54.3179, 0.4750, 0.4184

Rectangle

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



54.3179, 0.2574, 0.4465



54.3179, 0.1717, 0.2893



54.3179, 0.3537, 0.2424



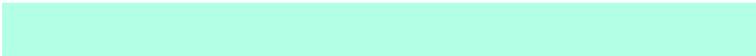
54.3179, 0.4770, 0.3340

Sweetspot

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



54.3201, 0.2574, 0.4465



86.6870, 0.2823, 0.3581



53.8648, 0.3181, 0.5855



18.2484, 0.2785, 0.3628



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.



54.3201, 0.2574, 0.4465



74.3276, 0.2577, 0.4478



41.5779, 0.2112, 0.2802



15.4882, 0.3027, 0.3372



32.2817, 0.2569, 0.4449



2.2542, 0.2513, 0.4248

Inverse Universe

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



16.0706, 0.5626, 0.2875



21.9568, 0.5652, 0.2887



16.6609, 0.6268, 0.3403



13.7778, 0.3238, 0.3210



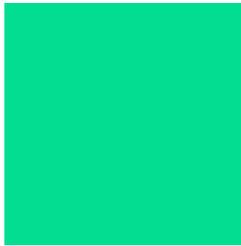
9.5547, 0.5594, 0.2855



0.6787, 0.5162, 0.2617

Previews

White Background



This preview shows how the Yxy color 54.3179, 0.2574, 0.4465 looks on a white background.

Color Contrast Check

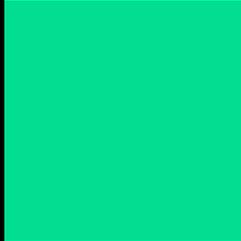
Large Text (above 18pt) WCAG AA × Fail

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 54.3179, 0.2574, 0.4465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

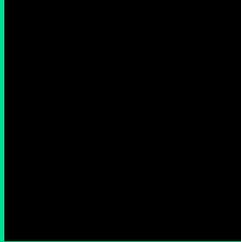
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

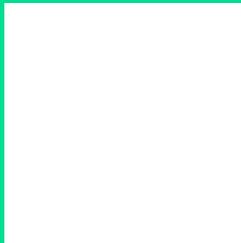
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.3179, 0.2574, 0.4465

Background



This preview shows how black text looks on a background with the Yxy color 54.3179, 0.2574, 0.4465.



This preview shows how white text looks on a background with the Yxy color 54.3179, 0.2574, 0.4465.

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

54.3243, 0.2574, 0.4465

Protanopia

53.3887, 0.3733, 0.4018

Deuteranopia

53.0386, 0.3734, 0.3652



Tritanopia

54.3219, 0.2295, 0.3060

Trichromacy



Original Color

54.3243, 0.2574, 0.4465



Protanomaly

50.0073, 0.3047, 0.4250



Deuteranomaly

48.4622, 0.3035, 0.3964



Tritanomaly

53.8882, 0.2368, 0.3533

Monochromacy



Original Color

54.3243, 0.2574, 0.4465



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

34.7584, 0.2697, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.3179, 0.2574, 0.4465 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(1, 222, 146)` looks like.

```
.text, #text, p{  
    color:rgb(1, 222, 146)  
}
```

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(1, 222, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 222, 146) }
```

Border

The CSS property to change the border of an element to Yxy 54.3179, 0.2574, 0.4465 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(1, 222, 146) }
```

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

```
.border{ border-color:rgb(1, 222, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 222, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 222, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 222, 146);  
box-shadow:4px 4px 4px 4px rgb(1, 222,  
146) }
```

Background

The CSS property to change the background color of an element to Yxy 54.3179, 0.2574, 0.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 222, 146) }
```

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

```
.background{ background-color: rgb(1, 222,  
146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor