

Converting Colors

Yxy(53.1175, 0.2630, 0.4486)

Have a look what the booklet for
Yxy(53.1175, 0.2630, 0.4486)
contains.

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Color

Yxy(53.0874, 0.2629, 0.4483)

Conversions

Conversions Part 1

Format	Color
Hex	29DB8E
RGB	41, 219, 142
RGB Percent	16%, 86%, 56%
CMY	0.8387, 0.1412, 0.4431
CMYK	0.81, 0.00, 0.35, 0.14
HSL	154°, 71%, 51%
HSV	154°, 81%, 86%
XYZ	31.1325, 53.0874, 34.1995
YIQ	157.0000, -81.3710, -61.6830

Conversions

Conversions Part 2

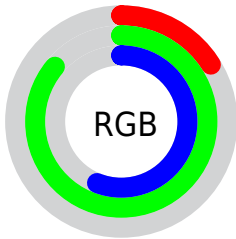
Format	Color
RYB	41, 155, 219
Decimal	2743182
CIELab	77.93, -60.19, 25.99
CIELCh	78, 65.564, 156.645
Yxy	53.0874, 0.2629, 0.4483
Android (android.graphics.Color)	4280933262 (0xFF29DB8E)
YUV	157.0000, -7.3950, -101.7320
Hunter-Lab	72.8611, -51.2366, 23.1733

Details

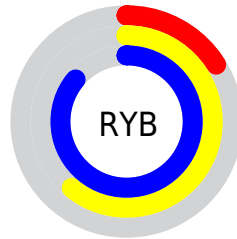
The Yxy color **53.0874, 0.2629, 0.4483** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **17.9656, 0.4746, 0.2561**, and the grayscale version is **33.7964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2874, 0.2692, 0.4023**, and **26.9497, 0.2664, 0.4792** is the 20% darker color. If you saturate the color by 10%, you get **52.4834, 0.2641, 0.4650**, and if you desaturate by 10%, it is **53.9702, 0.2638, 0.4313**.

Distribution



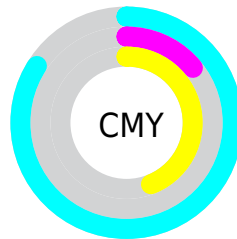
- Red (16%)
- Green (86%)
- Blue (56%)



- Red (16%)
- Yellow (61%)
- Blue (86%)



- Cyan (81%)
- Magenta (0%)
- Yellow (35%)
- Black (14%)





- Cyan (84%)
- Magenta (14%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0874, 0.2629, 0.4483 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 53.0874, 0.2629, 0.4483 by changing the saturation by 10% instead.


 53.0874, 0.2629,
0.4483


 53.0874, 0.2629,
0.4483

398.6203, 0.2893,
0.3857


 37.8725, 0.2559,
0.4647

 94.7330, 0.2728,
0.4249


 25.8838, 0.2466,
0.4863


 121.9325, 0.2765,
0.4163

 16.7367, 0.2339,
0.5156

 153.8956, 0.2795,
0.4092

 10.0470, 0.2156,
0.5574

 191.0069, 0.2820,
0.4031

 5.4301, 0.1873,
0.6211

 233.6506, 0.2843,
0.3978

 2.5018, 0.1278,
0.7668

282.2111, 0.2862,

 0.8775, 0.0000,

0.3933

1.0000

337.0729, 0.2878,
0.3893

■ 0.0000, 0.0000,
0.0000

■ 53.0874, 0.2629,
0.4483

■ 53.0874, 0.2629,
0.4483

■ 52.4834, 0.2641,
0.4650

■ 53.9702, 0.2638,
0.4313


■ 52.1226, 0.2664,
0.4792


■ 55.1622, 0.2666,
0.4143


■ 56.6966, 0.2713,
0.3978


■ 58.6004, 0.2776,
0.3821

■ 60.8978, 0.2850,
0.3673

 63.6110, 0.2934,
0.3537

 66.7603, 0.3023,
0.3414

 70.3650, 0.3116,
0.3303

 74.4428, 0.3209,
0.3204

Harmonies

Analogous

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



53.0874, 0.3442, 0.4912



53.0874, 0.2629, 0.4483



53.0874, 0.1998, 0.3558

Triad

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



53.0874, 0.2629, 0.4483



53.0874, 0.2007, 0.1997



53.0874, 0.4818, 0.3514

Complementary

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



53.0874, 0.2629, 0.4483



17.9656, 0.4746, 0.2561

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.



53.0874, 0.4335, 0.2916



53.0874, 0.2629, 0.4483



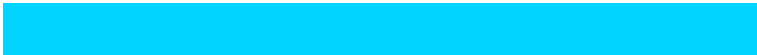
53.0874, 0.2620, 0.2090

Square

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



53.0874, 0.2629, 0.4483



53.0874, 0.1697, 0.2179



53.0874, 0.3478, 0.2414



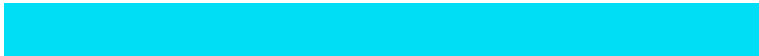
53.0874, 0.4742, 0.4140

Rectangle

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



53.0874, 0.2629, 0.4483



53.0874, 0.1754, 0.2949



53.0874, 0.3478, 0.2414



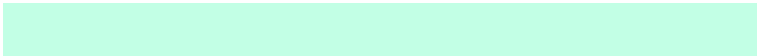
53.0874, 0.4717, 0.3308

Sweetspot

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



53.0895, 0.2629, 0.4483



88.5927, 0.2908, 0.3577



54.6892, 0.3362, 0.5533



18.6669, 0.2878, 0.3625



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.



53.0895, 0.2629, 0.4483



73.7054, 0.2659, 0.4757



50.2822, 0.2237, 0.3120



14.7294, 0.3039, 0.3393



30.9291, 0.2658, 0.4768



2.0209, 0.2584, 0.4502

Inverse Universe

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



17.9656, 0.4746, 0.2561



22.6573, 0.5210, 0.2659



17.7659, 0.5876, 0.3380



13.1447, 0.3224, 0.3189



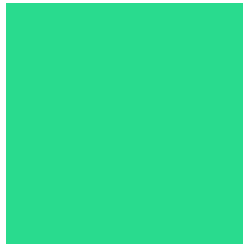
9.4387, 0.5232, 0.2656



0.6286, 0.4821, 0.2430

Previews

White Background



This preview shows how the Yxy color 53.0874, 0.2629, 0.4483 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 53.0874, 0.2629, 0.4483 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 53.0874, 0.2629, 0.4483

Background



This preview shows how black text looks on a background with the Yxy color 53.0874, 0.2629, 0.4483.

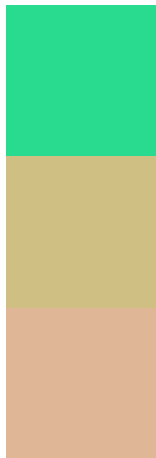


This preview shows how white text looks on a background with the Yxy color 53.0874, 0.2629, 0.4483.

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

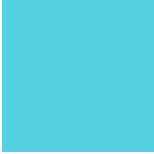
53.0874, 0.2629, 0.4483

Protanopia

52.1387, 0.3747, 0.4037

Deuteranopia

51.7570, 0.3758, 0.3679



Tritanopia

53.0232, 0.2323, 0.3059

Trichromacy



Original Color

53.0874, 0.2629, 0.4483



Protanomaly

49.6976, 0.3179, 0.4244



Deuteranomaly

48.7545, 0.3173, 0.3976



Tritanomaly

52.7938, 0.2426, 0.3548

Monochromacy



Original Color

53.0874, 0.2629, 0.4483



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

38.5544, 0.2815, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0874, 0.2629, 0.4483 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(41, 219, 142)` looks like.

```
.text, #text, p{  
    color:rgb(41, 219, 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(41, 219, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 219, 142) }
```

Border

The CSS property to change the border of an element to Yxy 53.0874, 0.2629, 0.4483 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(41, 219, 142) }
```

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

```
.border{ border-color:rgb(41, 219, 142) }
```

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

Here you see how a box with a 4 pixel rgb(41, 219, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 219, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 219, 142);  
box-shadow:4px 4px 4px 4px rgb(41, 219,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0874, 0.2629, 0.4483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 219, 142) }
```

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

```
.background{ background-color: rgb(41, 219,  
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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