

Converting Colors

$Y_{xy}(47.8402, 0.2514, 0.4249)$

Have a look what the booklet for
Yxy(47.8402, 0.2514, 0.4249)
contains.

Yxy(47.8029, 0.2512, 0.4242)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.8029, 0.2512, 0.4242)

Conversions

Conversions Part 1

Format	Color
Hex	00D196
RGB	0, 209, 150
RGB Percent	0%, 82%, 59%
CMY	0.9984, 0.1804, 0.4119
CMYK	1.00, 0.00, 0.28, 0.18
HSL	163°, 100%, 41%
HSV	163°, 100%, 82%
XYZ	28.3076, 47.8029, 36.5790
YIQ	139.7830, -105.6250, -62.6570

Conversions

Conversions Part 2

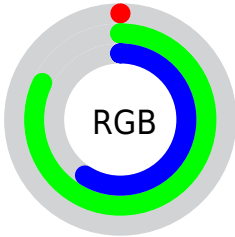
Format	Color
RYB	0, 122, 209
Decimal	53654
CIELab	74.70, -57.04, 17.35
CIELCh	75, 59.623, 163.086
Yxy	47.8029, 0.2512, 0.4242
Android (android.graphics.Color)	4278243734 (0xFF00D196)
YUV	139.7830, 5.0370, -122.5897
Hunter-Lab	69.1396, -47.9117, 17.0298

Details

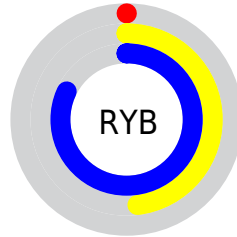
The Yxy color **47.8029, 0.2512, 0.4242** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.8847, 0.5836, 0.2990**, and the grayscale version is **26.1978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7632, 0.2605, 0.3927**, and **23.6833, 0.2575, 0.4470** is the 20% darker color. If you saturate the color by 10%, you get **47.7983, 0.2512, 0.4244**, and if you desaturate by 10%, it is **48.1604, 0.2500, 0.4136**.

Distribution



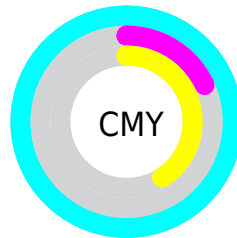
- Red (0%)
- Green (82%)
- Blue (59%)



- Red (0%)
- Yellow (48%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8029, 0.2512, 0.4242 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 47.8029, 0.2512, 0.4242 by changing the saturation by 10% instead.

 47.8029, 0.2512,
0.4242

 47.8029, 0.2512,
0.4242


378.0103, 0.2830,
0.3740


 33.6708, 0.2430,
0.4375


 86.9109, 0.2630,
0.4054


 22.6408, 0.2323,
0.4551


 112.6556, 0.2673,
0.3985


 14.3285, 0.2178,
0.4792


 143.0399, 0.2710,
0.3927

 8.3495, 0.1973,
0.5143

 178.4483, 0.2741,
0.3879

 4.3194, 0.1663,
0.5693

 219.2652, 0.2768,
0.3837

 1.8538, 0.0601,
0.7221


265.8748, 0.2791,


 0.5204, 0.0000,


0.3800


1.0000


318.6618, 0.2812,
0.3769


 0.0000, 0.0000,
0.0000


 47.8029, 0.2512,
0.4242


 47.8029, 0.2512,
0.4242


 47.7983, 0.2512,
0.4244

 48.1604, 0.2500,
0.4136

 48.6994, 0.2504,
0.4029

 49.4782, 0.2529,
0.3922

 50.5282, 0.2573,
0.3816

 51.8760, 0.2635,
0.3713

■ 53.5450, 0.2713,
0.3615

■ 55.5560, 0.2805,
0.3523

■ 57.9284, 0.2907,
0.3438

■ 60.6797, 0.3016,
0.3360

Harmonies

Analogous

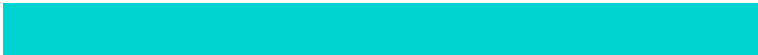
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.8029, 0.3266, 0.4779



47.8029, 0.2512, 0.4242



47.8029, 0.1967, 0.3353

Triad

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



47.8029, 0.2512, 0.4242



47.8029, 0.2165, 0.2057



47.8029, 0.4753, 0.3643

Complementary

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



47.8029, 0.2512, 0.4242



13.8847, 0.5836, 0.2990

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.



47.8029, 0.4403, 0.3058



47.8029, 0.2512, 0.4242



47.8029, 0.2809, 0.2196

Square

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



47.8029, 0.2512, 0.4242



47.8029, 0.1804, 0.2175



47.8029, 0.3646, 0.2549



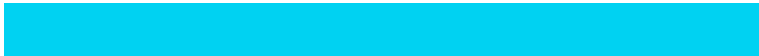
47.8029, 0.4584, 0.4234

Rectangle

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



47.8029, 0.2512, 0.4242



47.8029, 0.1776, 0.2816



47.8029, 0.3646, 0.2549



47.8029, 0.4695, 0.3444

Sweetspot

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



47.8048, 0.2512, 0.4242



86.9476, 0.2800, 0.3528



46.5474, 0.3123, 0.5901



18.3108, 0.2759, 0.3567



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.



47.8048, 0.2512, 0.4242



74.9324, 0.2516, 0.4256



31.0881, 0.2048, 0.2572



13.3477, 0.3020, 0.3357



29.4887, 0.2508, 0.4229



1.6621, 0.2454, 0.4035

Inverse Universe

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



13.8847, 0.5836, 0.2990



21.7299, 0.5870, 0.3007



15.4800, 0.6153, 0.3494



11.8625, 0.3247, 0.3224



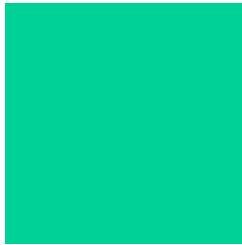
8.5681, 0.5805, 0.2972



0.4928, 0.5272, 0.2678

Previews

White Background



This preview shows how the Yxy color 47.8029, 0.2512, 0.4242 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 47.8029, 0.2512, 0.4242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

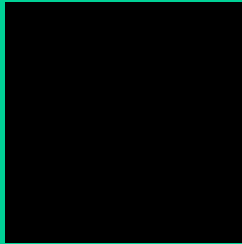
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8029, 0.2512, 0.4242

Background



This preview shows how black text looks on a background with the Yxy color 47.8029, 0.2512, 0.4242.



This preview shows how white text looks on a background with the Yxy color 47.8029, 0.2512, 0.4242.

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

47.8029, 0.2512, 0.4242

Protanopia

46.8930, 0.3607, 0.3859

Deuteranopia

47.0403, 0.3591, 0.3526



Tritanopia

47.5835, 0.2282, 0.3047

Trichromacy



Original Color

47.8029, 0.2512, 0.4242



Protanomaly

43.9374, 0.2957, 0.4055



Deuteranomaly

43.2861, 0.2939, 0.3799



Tritanomaly

47.0976, 0.2338, 0.3438

Monochromacy



Original Color

47.8029, 0.2512, 0.4242



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

31.0477, 0.2665, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8029, 0.2512, 0.4242 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, 209, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 150)  
}
```

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, 209, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 150) }
```

Border

The CSS property to change the border of an element to Yxy 47.8029, 0.2512, 0.4242 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, 209, 150) }
```

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

```
.border{ border-color:rgb(0, 209, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8029, 0.2512, 0.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 150) }
```

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

```
.background{ background-color: rgb(0, 209,  
150) }
```

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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