

Converting Colors

$Y_{xy}(41.5983, 0.2504, 0.4213)$

Have a look what the booklet for
Yxy(41.5983, 0.2504, 0.4213)
contains.

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Color

Yxy(41.4328, 0.2504, 0.4213)

Conversions

Conversions Part 1

Format	Color
Hex	00C48E
RGB	0, 196, 142
RGB Percent	0%, 77%, 56%
CMY	0.9983, 0.2314, 0.4432
CMYK	1.00, 0.00, 0.28, 0.23
HSL	163°, 100%, 39%
HSV	163°, 100%, 77%
XYZ	24.6256, 41.4328, 32.2867
YIQ	131.2400, -99.4820, -58.3460

Conversions

Conversions Part 2

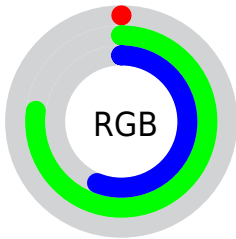
Format	Color
RYB	0, 114, 196
Decimal	50318
CIELab	70.48, -54.00, 15.73
CIElCh	70, 56.243, 163.757
Yxy	41.4328, 0.2504, 0.4213
Android (android.graphics.Color)	4278240398 (0xFF00C48E)
YUV	131.2400, 5.3047, -115.0975
Hunter-Lab	64.3683, -44.3552, 15.3184

Details

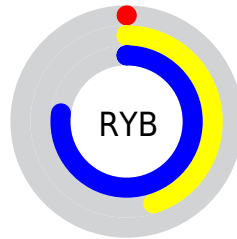
The Yxy color **41.4328, 0.2504, 0.4213** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.0153, 0.5848, 0.2997**, and the grayscale version is **22.8424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5785, 0.2628, 0.4024**, and **19.8225, 0.2567, 0.4442** is the 20% darker color. If you saturate the color by 10%, you get **41.4280, 0.2504, 0.4215**, and if you desaturate by 10%, it is **41.7473, 0.2494, 0.4110**.

Distribution



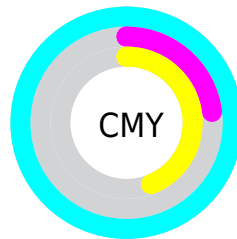
- Red (0%)
- Green (77%)
- Blue (56%)



- Red (0%)
- Yellow (45%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4328, 0.2504, 0.4213 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 41.4328, 0.2504, 0.4213 by changing the saturation by 10% instead.


 41.4328, 0.2504,
0.4213


 41.4328, 0.2504,
0.4213


352.1263, 0.2832,
0.3717


 28.6574, 0.2417,
0.4349


 77.3405, 0.2627,
0.4024


 18.8218, 0.2302,
0.4531


 101.2415, 0.2672,
0.3956

 11.5416, 0.2143,
0.4785


 129.6200, 0.2710,
0.3899

 6.4324, 0.1914,
0.5166

 162.8601, 0.2742,
0.3851

 3.1097, 0.1557,
0.5787

 201.3465, 0.2769,
0.3810

 1.1893, 0.0000,
0.8794

245.4633, 0.2793,

 0.0529, 0.0000,

0.3775

1.0000

295.5951, 0.2814,
0.3744

■ 0.0000, 0.0000,
0.0000

■ 41.4328, 0.2504,
0.4213

■ 41.4328, 0.2504,
0.4213

■ 41.4280, 0.2504,
0.4215

■ 41.7473, 0.2494,
0.4110

■ 42.2165, 0.2499,
0.4007

■ 42.8923, 0.2525,
0.3903

■ 43.8014, 0.2570,
0.3800

■ 44.9662, 0.2633,
0.3701

■ 46.4069, 0.2712,
0.3606

■ 48.1411, 0.2804,
0.3516

■ 50.1854, 0.2906,
0.3433

■ 52.5547, 0.3016,
0.3357

Harmonies

Analogous

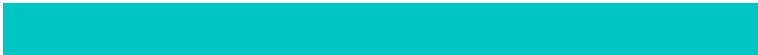
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.4328, 0.3248, 0.4757



41.4328, 0.2504, 0.4213



41.4328, 0.1970, 0.3334

Triad

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



41.4328, 0.2504, 0.4213



41.4328, 0.2185, 0.2069



41.4328, 0.4738, 0.3655

Complementary

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



41.4328, 0.2504, 0.4213



12.0153, 0.5848, 0.2997

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.



41.4328, 0.4403, 0.3073



41.4328, 0.2504, 0.4213



41.4328, 0.2830, 0.2211

Square

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



41.4328, 0.2504, 0.4213



41.4328, 0.1821, 0.2180



41.4328, 0.3660, 0.2566



41.4328, 0.4562, 0.4240

Rectangle

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



41.4328, 0.2504, 0.4213



41.4328, 0.1784, 0.2807



41.4328, 0.3660, 0.2566



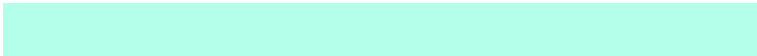
41.4328, 0.4684, 0.3457

Sweetspot

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



41.4344, 0.2504, 0.4213



86.9775, 0.2797, 0.3522



40.3161, 0.3126, 0.5899



18.3179, 0.2756, 0.3560



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.



41.4344, 0.2504, 0.4213



75.0051, 0.2509, 0.4231



26.9759, 0.2049, 0.2576



11.3795, 0.3020, 0.3354



26.6352, 0.2500, 0.4201



1.1620, 0.2437, 0.3972

Inverse Universe

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



12.0153, 0.5848, 0.2997



21.7075, 0.5892, 0.3020



13.4500, 0.6146, 0.3499



10.1226, 0.3247, 0.3227



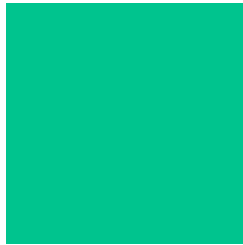
7.7254, 0.5819, 0.2979



0.3459, 0.5161, 0.2617

Previews

White Background



This preview shows how the Yxy color 41.4328, 0.2504, 0.4213 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 41.4328, 0.2504, 0.4213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

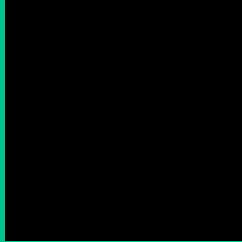
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.4328, 0.2504, 0.4213

Background



This preview shows how black text looks on a background with the Yxy color 41.4328, 0.2504, 0.4213.



This preview shows how white text looks on a background with the Yxy color 41.4328, 0.2504, 0.4213.

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

41.4328, 0.2504, 0.4213

Protanopia

40.8048, 0.3599, 0.3853

Deuteranopia

40.8160, 0.3572, 0.3501



Tritanopia

41.3682, 0.2285, 0.3062

Trichromacy



Original Color

41.4328, 0.2504, 0.4213



Protanomaly

38.1457, 0.2957, 0.4034



Deuteranomaly

37.4860, 0.2930, 0.3766



Tritanomaly

41.0692, 0.2341, 0.3447

Monochromacy



Original Color

41.4328, 0.2504, 0.4213



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

27.0768, 0.2671, 0.3662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4328, 0.2504, 0.4213 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, 196, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 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, 196, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 142) }
```

Border

The CSS property to change the border of an element to Yxy 41.4328, 0.2504, 0.4213 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, 196, 142) }
```

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

```
.border{ border-color:rgb(0, 196, 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, 196, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4328, 0.2504, 0.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 142) }
```

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

```
.background{ background-color: rgb(0, 196,  
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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