

Converting Colors

$Y_{xy}(37.8159, 0.2004, 0.4398)$

Have a look what the booklet for
Yxy(37.8159, 0.2004, 0.4398)
contains.

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Color

Yxy(41.7966, 0.2523, 0.4282)

Conversions

Conversions Part 1

Format	Color
Hex	00C58B
RGB	0, 197, 139
RGB Percent	0%, 77%, 55%
CMY	0.9991, 0.2274, 0.4550
CMYK	1.00, 0.00, 0.29, 0.23
HSL	162°, 100%, 39%
HSV	162°, 100%, 77%
XYZ	24.6270, 41.7966, 31.1864
YIQ	131.4850, -98.7940, -59.8020

Conversions

Conversions Part 2

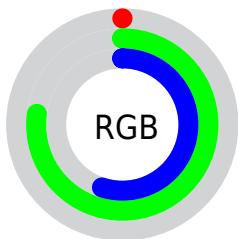
Format	Color
RYB	0, 116, 197
Decimal	50571
CIELab	70.73, -55.08, 17.70
CIELCh	71, 57.854, 162.185
Yxy	41.7966, 0.2523, 0.4282
Android (android.graphics.Color)	4278240651 (0xFF00C58B)
YUV	131.4850, 3.7049, -115.3123
Hunter-Lab	64.6503, -45.1426, 16.6545

Details

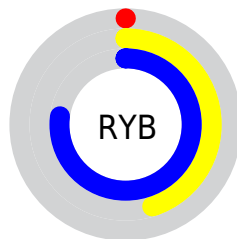
The Yxy color **41.7966, 0.2523, 0.4282** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.1836, 0.5788, 0.2963**, and the grayscale version is **22.9180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0796, 0.2643, 0.4076**, and **20.0673, 0.2593, 0.4534** is the 20% darker color. If you saturate the color by 10%, you get **41.7948, 0.2523, 0.4283**, and if you desaturate by 10%, it is **42.1191, 0.2511, 0.4172**.

Distribution



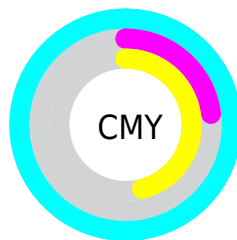
- Red (0%)
- Green (77%)
- Blue (55%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7966, 0.2523, 0.4282 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 41.7966, 0.2523, 0.4282 by changing the saturation by 10% instead.


 41.7966, 0.2523,
0.4282


 41.7966, 0.2523,
0.4282


353.6391, 0.2843,
0.3747

 28.9421, 0.2437,
0.4429

 77.8917, 0.2644,
0.4078

 19.0370, 0.2323,
0.4625

 101.9010, 0.2688,
0.4004

 11.6970, 0.2166,
0.4901


 130.3974, 0.2725,
0.3943

 6.5377, 0.1937,
0.5314

 163.7653, 0.2756,
0.3892

 3.1747, 0.1577,
0.5985

 202.3890, 0.2782,
0.3848

 1.2236, 0.0000,
0.9562

246.6529, 0.2805,

 0.0809, 0.0000,

0.3810

1.0000

296.9415, 0.2826,
0.3776

■ 0.0000, 0.0000,
0.0000

■ 41.7966, 0.2523,
0.4282

■ 41.7966, 0.2523,
0.4282

■ 41.7948, 0.2523,
0.4283

■ 42.1191, 0.2511,
0.4172

■ 42.5983, 0.2514,
0.4060

■ 43.2873, 0.2538,
0.3948

■ 44.2132, 0.2581,
0.3838

■ 45.3989, 0.2642,
0.3731

■ 46.8646, 0.2720,
0.3629

■ 48.6286, 0.2810,
0.3533

■ 50.7073, 0.2910,
0.3444

■ 53.1161, 0.3017,
0.3363

Harmonies

Analogous

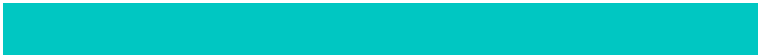
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.7966, 0.3289, 0.4810



41.7966, 0.2523, 0.4282



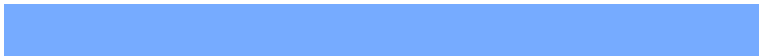
41.7966, 0.1964, 0.3379

Triad

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



41.7966, 0.2523, 0.4282



41.7966, 0.2137, 0.2042



41.7966, 0.4773, 0.3626

Complementary

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



41.7966, 0.2523, 0.4282



12.1836, 0.5788, 0.2963

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.



41.7966, 0.4404, 0.3036



41.7966, 0.2523, 0.4282



41.7966, 0.2781, 0.2175

Square

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



41.7966, 0.2523, 0.4282



41.7966, 0.1782, 0.2169



41.7966, 0.3626, 0.2526



41.7966, 0.4615, 0.4226

Rectangle

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



41.7966, 0.2523, 0.4282



41.7966, 0.1765, 0.2830



41.7966, 0.3626, 0.2526



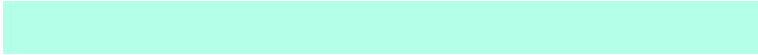
41.7966, 0.4709, 0.3425

Sweetspot

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



41.7982, 0.2523, 0.4282



86.8956, 0.2804, 0.3538



40.8717, 0.3139, 0.5889



18.2983, 0.2764, 0.3579



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.



41.7982, 0.2523, 0.4282



74.8074, 0.2528, 0.4300



28.3664, 0.2065, 0.2633



12.0122, 0.3022, 0.3359



27.5050, 0.2519, 0.4269



1.3146, 0.2455, 0.4039

Inverse Universe

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



12.1836, 0.5788, 0.2963



21.7707, 0.5829, 0.2985



13.3608, 0.6180, 0.3473



10.6875, 0.3244, 0.3222



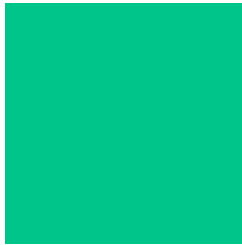
8.0221, 0.5758, 0.2945



0.3928, 0.5148, 0.2610

Previews

White Background



This preview shows how the Yxy color 41.7966, 0.2523, 0.4282 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 41.7966, 0.2523, 0.4282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

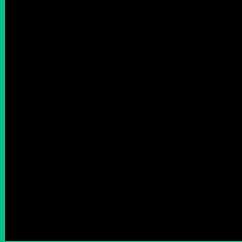
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7966, 0.2523, 0.4282

Background



This preview shows how black text looks on a background with the Yxy color 41.7966, 0.2523, 0.4282.

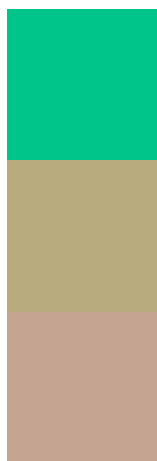


This preview shows how white text looks on a background with the Yxy color 41.7966, 0.2523, 0.4282.

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

41.7966, 0.2523, 0.4282

Protanopia

41.2277, 0.3632, 0.3904

Deuteranopia

40.8559, 0.3611, 0.3540



Tritanopia

41.9131, 0.2291, 0.3063

Trichromacy



Original Color

41.7966, 0.2523, 0.4282



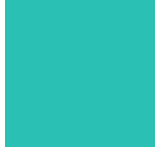
Protanomaly

38.4683, 0.2979, 0.4099



Deuteranomaly

37.7874, 0.2953, 0.3830



Tritanomaly

41.4868, 0.2352, 0.3479

Monochromacy



Original Color

41.7966, 0.2523, 0.4282



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

27.4110, 0.2674, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7966, 0.2523, 0.4282 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, 197, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 139)  
}
```

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, 197, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 139) }
```

Border

The CSS property to change the border of an element to Yxy 41.7966, 0.2523, 0.4282 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, 197, 139) }
```

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

```
.border{ border-color:rgb(0, 197, 139) }
```

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

Here you see how a box with a 4 pixel rgb(0, 197, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7966, 0.2523, 0.4282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 139) }
```

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

```
.background{ background-color: rgb(0, 197,  
139) }
```

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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