

Converting Colors

$Yxy(39.8884, 0.2353, 0.4487)$

Have a look what the booklet for
Yxy(39.8884, 0.2353, 0.4487)
contains.

Yxy(41.5712, 0.2564, 0.4429)	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(41.5712, 0.2564, 0.4429)

Conversions

Conversions Part 1

Format	Color
Hex	00C583
RGB	0, 197, 131
RGB Percent	0%, 77%, 51%
CMY	0.9984, 0.2275, 0.4863
CMYK	1.00, 0.00, 0.34, 0.23
HSL	160°, 100%, 39%
HSV	160°, 100%, 77%
XYZ	24.0661, 41.5712, 28.2241
YIQ	130.5730, -96.2260, -62.2900

Conversions

Conversions Part 2

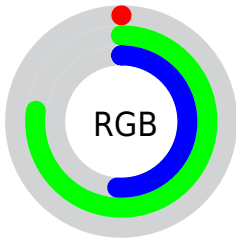
Format	Color
RYB	0, 118, 197
Decimal	50563
CIELab	70.57, -56.85, 21.74
CIElCh	71, 60.863, 159.067
Yxy	41.5712, 0.2564, 0.4429
Android (android.graphics.Color)	4278240643 (0xFF00C583)
YUV	130.5730, 0.2105, -114.5125
Hunter-Lab	64.4757, -46.2061, 19.1789

Details

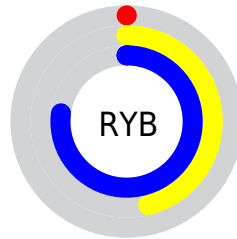
The Yxy color **41.5712, 0.2564, 0.4429** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.2775, 0.5636, 0.2880**, and the grayscale version is **22.6077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6900, 0.2684, 0.4198**, and **19.9401, 0.2648, 0.4731** is the 20% darker color. If you saturate the color by 10%, you get **41.5664, 0.2564, 0.4432**, and if you desaturate by 10%, it is **41.9052, 0.2548, 0.4303**.

Distribution



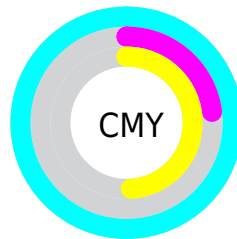
- Red (0%)
- Green (77%)
- Blue (51%)



- Red (0%)
- Yellow (46%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5712, 0.2564, 0.4429 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 41.5712, 0.2564, 0.4429 by changing the saturation by 10% instead.


 41.5712, 0.2564,
0.4429

 41.5712, 0.2564,
0.4429

352.7023, 0.2869,
0.3810


 28.7657, 0.2480,
0.4600


 77.5502, 0.2680,
0.4192


 18.9036, 0.2368,
0.4831


 101.4925, 0.2722,
0.4106

 11.6007, 0.2210,
0.5156


 129.9159, 0.2757,
0.4036

 6.4724, 0.1975,
0.5642

 163.2047, 0.2787,
0.3976

 3.1344, 0.1595,
0.6434

 201.7434, 0.2812,
0.3925

 1.2023, 0.0000,
1.0000

245.9162, 0.2833,

 0.0636, 0.0000,

0.3882

1.0000

296.1078, 0.2852,
0.3843

■ 0.0000, 0.0000,
0.0000

■ 41.5712, 0.2564,
0.4429

■ 41.5712, 0.2564,
0.4429

■ 41.5664, 0.2564,
0.4432

■ 41.9052, 0.2548,
0.4303

■ 42.3995, 0.2548,
0.4174

■ 43.1064, 0.2569,
0.4045

■ 44.0530, 0.2609,
0.3918

■ 45.2623, 0.2667,
0.3795

■ 46.7546, 0.2740,
0.3677

■ 48.5481, 0.2826,
0.3567

■ 50.6593, 0.2922,
0.3465

■ 53.1038, 0.3024,
0.3372

Harmonies

Analogous

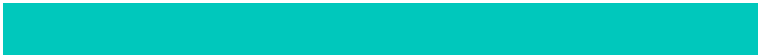
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.5712, 0.3375, 0.4916



41.5712, 0.2564, 0.4429



41.5712, 0.1953, 0.3480

Triad

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



41.5712, 0.2564, 0.4429



41.5712, 0.2039, 0.1988



41.5712, 0.4844, 0.3564

Complementary

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



41.5712, 0.2564, 0.4429



12.2775, 0.5636, 0.2880

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.



41.5712, 0.4402, 0.2959



41.5712, 0.2564, 0.4429



41.5712, 0.2678, 0.2101

Square

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



41.5712, 0.2564, 0.4429



41.5712, 0.1703, 0.2146



41.5712, 0.3554, 0.2444



41.5712, 0.4723, 0.4193

Rectangle

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



41.5712, 0.2564, 0.4429



41.5712, 0.1726, 0.2880



41.5712, 0.3554, 0.2444



41.5712, 0.4759, 0.3357

Sweetspot

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



41.5728, 0.2564, 0.4429



86.7189, 0.2820, 0.3574



41.2059, 0.3186, 0.5851



18.2560, 0.2782, 0.3621



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.



41.5728, 0.2564, 0.4429



74.3987, 0.2570, 0.4450



31.8589, 0.2113, 0.2805



12.0047, 0.3028, 0.3369



27.3567, 0.2560, 0.4415



1.3084, 0.2486, 0.4151

Inverse Universe

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



12.2775, 0.5636, 0.2880



21.9258, 0.5681, 0.2903



12.7947, 0.6259, 0.3409



10.6947, 0.3238, 0.3213



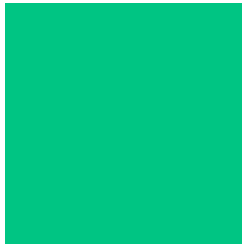
8.0816, 0.5608, 0.2863



0.3962, 0.5015, 0.2536

Previews

White Background



This preview shows how the Yxy color 41.5712, 0.2564, 0.4429 looks on a white background.

Color Contrast Check

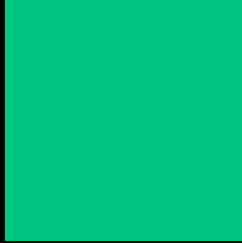
Large Text (above 18pt) WCAG AA × Fail

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 41.5712, 0.2564, 0.4429 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 41.5712, 0.2564, 0.4429

Background



This preview shows how black text looks on a background with the Yxy color 41.5712, 0.2564, 0.4429.

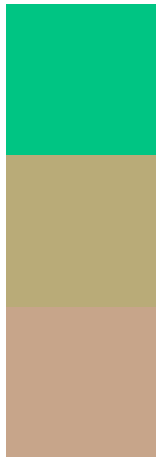


This preview shows how white text looks on a background with the Yxy color 41.5712, 0.2564, 0.4429.

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

41.5712, 0.2564, 0.4429

Protanopia

40.7962, 0.3707, 0.3984

Deuteranopia

40.8874, 0.3706, 0.3643



Tritanopia

41.5072, 0.2298, 0.3063

Trichromacy



Original Color

41.5712, 0.2564, 0.4429



Protanomaly

37.9493, 0.3037, 0.4201



Deuteranomaly

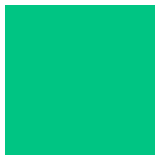
37.7056, 0.3029, 0.3959



Tritanomaly

40.9495, 0.2365, 0.3513

Monochromacy



Original Color

41.5712, 0.2564, 0.4429



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.9662, 0.2701, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5712, 0.2564, 0.4429 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 131) }
```

Border

The CSS property to change the border of an element to Yxy 41.5712, 0.2564, 0.4429 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, 131) }
```

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

```
.border{ border-color:rgb(0, 197, 131) }
```

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, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5712, 0.2564, 0.4429 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, 131) }
```

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

```
.background{ background-color: rgb(0, 197,  
131) }
```

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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