

Converting Colors

$Y_{xy}(40.5414, 0.2504, 0.4620)$

Have a look what the booklet for
Yxy(40.5414, 0.2504, 0.4620)
contains.

Yxy(41.3376, 0.2610, 0.4595)	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(41.3376, 0.2610, 0.4595)

Conversions

Conversions Part 1

Format	Color
Hex	00C57A
RGB	0, 197, 122
RGB Percent	0%, 77%, 48%
CMY	0.9989, 0.2274, 0.5217
CMYK	1.00, 0.00, 0.38, 0.23
HSL	157°, 100%, 39%
HSV	157°, 100%, 77%
XYZ	23.4801, 41.3376, 25.1444
YIQ	129.5470, -93.3370, -65.0890

Conversions

Conversions Part 2

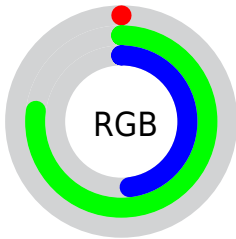
Format	Color
RYB	0, 122, 197
Decimal	50554
CIELab	70.41, -58.73, 26.28
CIELCh	70, 64.346, 155.892
Yxy	41.3376, 0.2610, 0.4595
Android (android.graphics.Color)	4278240634 (0xFF00C57A)
YUV	129.5470, -3.7207, -113.6127
Hunter-Lab	64.2943, -47.3273, 21.8187

Details

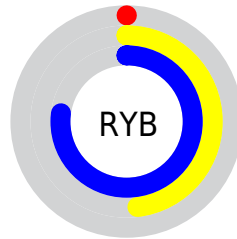
The Yxy color **41.3376, 0.2610, 0.4595** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.3888, 0.5460, 0.2783**, and the grayscale version is **22.2231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2678, 0.2720, 0.4321**, and **19.8139, 0.2708, 0.4948** is the 20% darker color. If you saturate the color by 10%, you get **41.3348, 0.2610, 0.4597**, and if you desaturate by 10%, it is **41.6794, 0.2590, 0.4451**.

Distribution



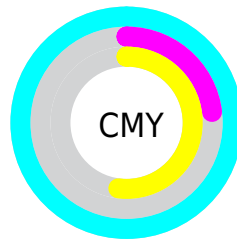
- Red (0%)
- Green (77%)
- Blue (48%)



- Red (0%)
- Yellow (48%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3376, 0.2610, 0.4595 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 41.3376, 0.2610, 0.4595 by changing the saturation by 10% instead.

 41.3376, 0.2610,
0.4595


 41.3376, 0.2610,
0.4595


351.7296, 0.2898,
0.3880


 28.5830, 0.2528,
0.4794


 77.1961, 0.2722,
0.4320


 18.7656, 0.2416,
0.5063


 101.0688, 0.2762,
0.4221

 11.5010, 0.2256,
0.5441


 129.4163, 0.2795,
0.4140

 6.4049, 0.2013,
0.6007

 162.6230, 0.2822,
0.4071

 3.0928, 0.1612,
0.6982

 201.0733, 0.2845,
0.4013

 1.1804, 0.0000,
1.0000

245.1515, 0.2865,

 0.0456, 0.0000,

0.3963

1.0000

295.2422, 0.2883,
0.3919

■ 0.0000, 0.0000,
0.0000

■ 41.3376, 0.2610,
0.4595

■ 41.3376, 0.2610,
0.4595

■ 41.3348, 0.2610,
0.4597

■ 41.6794, 0.2590,
0.4451

■ 42.1838, 0.2586,
0.4304

■ 42.9038, 0.2603,
0.4156

■ 43.8666, 0.2639,
0.4010

■ 45.0953, 0.2693,
0.3868

■ 46.6103, 0.2762,
0.3733

■ 48.4298, 0.2843,
0.3607

■ 50.5707, 0.2933,
0.3490

■ 53.0484, 0.3029,
0.3384

Harmonies

Analogous

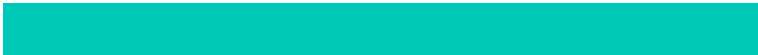
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.3376, 0.3469, 0.5027



41.3376, 0.2610, 0.4595



41.3376, 0.1942, 0.3597

Triad

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



41.3376, 0.2610, 0.4595



41.3376, 0.1933, 0.1929



41.3376, 0.4921, 0.3495

Complementary

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



41.3376, 0.2610, 0.4595



12.3888, 0.5460, 0.2783

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.



41.3376, 0.4395, 0.2874



41.3376, 0.2610, 0.4595



41.3376, 0.2566, 0.2021

Square

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



41.3376, 0.2610, 0.4595



41.3376, 0.1619, 0.2121



41.3376, 0.3472, 0.2354



41.3376, 0.4843, 0.4152

Rectangle

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



41.3376, 0.2610, 0.4595



41.3376, 0.1684, 0.2940



41.3376, 0.3472, 0.2354



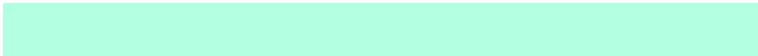
41.3376, 0.4810, 0.3281

Sweetspot

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



41.3392, 0.2610, 0.4595



86.5255, 0.2838, 0.3614



41.4574, 0.3220, 0.5824



18.2098, 0.2802, 0.3667



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.



41.3392, 0.2610, 0.4595



73.9799, 0.2616, 0.4618



34.3246, 0.2144, 0.2917



11.9963, 0.3034, 0.3380



27.2042, 0.2605, 0.4578



1.3019, 0.2522, 0.4278

Inverse Universe

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



12.3888, 0.5460, 0.2783



22.1278, 0.5502, 0.2805



12.4931, 0.6304, 0.3375



10.7028, 0.3231, 0.3202



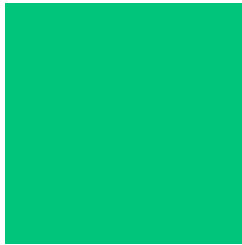
8.1581, 0.5431, 0.2765



0.4004, 0.4865, 0.2454

Previews

White Background



This preview shows how the Yxy color 41.3376, 0.2610, 0.4595 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 41.3376, 0.2610, 0.4595 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 41.3376, 0.2610, 0.4595

Background



This preview shows how black text looks on a background with the Yxy color 41.3376, 0.2610, 0.4595.

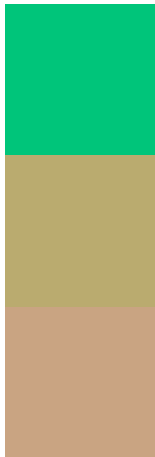


This preview shows how white text looks on a background with the Yxy color 41.3376, 0.2610, 0.4595.

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

41.3376, 0.2610, 0.4595

Protanopia

40.7126, 0.3795, 0.4100

Deuteranopia

40.5801, 0.3806, 0.3732



Tritanopia

41.1920, 0.2305, 0.3048

Trichromacy



Original Color

41.3376, 0.2610, 0.4595



Protanomaly

37.7319, 0.3101, 0.4352



Deuteranomaly

37.1722, 0.3099, 0.4076



Tritanomaly

40.8755, 0.2384, 0.3563

Monochromacy



Original Color

41.3376, 0.2610, 0.4595



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

26.4825, 0.2722, 0.3803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3376, 0.2610, 0.4595 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 122) }
```

Border

The CSS property to change the border of an element to Yxy 41.3376, 0.2610, 0.4595 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, 122) }
```

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

```
.border{ border-color:rgb(0, 197, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3376, 0.2610, 0.4595 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, 122) }
```

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

```
.background{ background-color: rgb(0, 197,  
122) }
```

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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