

Converting Colors

$Y_{xy}(40.5693, 0.2475, 0.4109)$

Have a look what the booklet for
Yxy(40.5693, 0.2475, 0.4109)
contains.

Yxy(40.6589, 0.2475, 0.4111)	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(40.6589, 0.2475, 0.4111)

Conversions

Conversions Part 1

Format	Color
Hex	00C292
RGB	0, 194, 146
RGB Percent	0%, 76%, 57%
CMY	1.0000, 0.2392, 0.4273
CMYK	1.00, 0.00, 0.25, 0.24
HSL	165°, 100%, 38%
HSV	165°, 100%, 76%
XYZ	24.4784, 40.6589, 33.7654
YIQ	130.5220, -100.2160, -56.0560

Conversions

Conversions Part 2

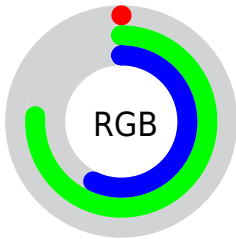
Format	Color
RYB	0, 111, 194
Decimal	49810
CIELab	69.94, -52.30, 12.79
CIELCh	70, 53.841, 166.255
Yxy	40.6589, 0.2475, 0.4111
Android (android.graphics.Color)	4278239890 (0xFF00C292)
YUV	130.5220, 7.6307, -114.4678
Hunter-Lab	63.7643, -43.0634, 13.2390

Details

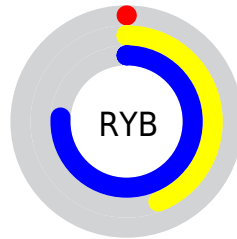
The Yxy color **40.6589, 0.2475, 0.4111** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.6834, 0.5946, 0.3049**, and the grayscale version is **22.5196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4436, 0.2603, 0.3949**, and **19.2915, 0.2536, 0.4331** is the 20% darker color. If you saturate the color by 10%, you get **40.6629, 0.2475, 0.4111**, and if you desaturate by 10%, it is **40.9580, 0.2468, 0.4020**.

Distribution



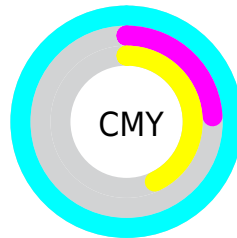
- Red (0%)
- Green (76%)
- Blue (57%)



- Red (0%)
- Yellow (44%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6589, 0.2475, 0.4111 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 40.6589, 0.2475, 0.4111 by changing the saturation by 10% instead.


 40.6589, 0.2475,
0.4111


 40.6589, 0.2475,
0.4111


348.8930, 0.2816,
0.3671


 28.0527, 0.2385,
0.4231


 76.1658, 0.2602,
0.3944


 18.3654, 0.2267,
0.4391


 99.8353, 0.2649,
0.3883


 11.2126, 0.2106,
0.4615


 127.9613, 0.2688,
0.3833

 6.2100, 0.1874,
0.4949

 160.9282, 0.2722,
0.3791

 2.9732, 0.1517,
0.5494

 199.1204, 0.2750,
0.3754

 1.1178, 0.0000,
0.7865

242.9224, 0.2775,

 0.0000, 0.0000,

0.3723

0.0000

292.7184, 0.2797,
0.3695

■ 40.6589, 0.2475,
0.4111

■ 40.6589, 0.2475,
0.4111

■ 40.6629, 0.2475,
0.4111

■ 40.9580, 0.2468,
0.4020

■ 41.4018, 0.2476,
0.3928

■ 42.0452, 0.2503,
0.3836

■ 42.9143, 0.2550,
0.3745

■ 44.0312, 0.2615,
0.3657

■ 45.4153, 0.2696,
0.3573

■ 47.0841, 0.2791,
0.3493

■ 49.0534, 0.2896,
0.3420

■ 51.3382, 0.3009,
0.3352

Harmonies

Analogous

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



40.6589, 0.3186, 0.4676



40.6589, 0.2475, 0.4111



40.6589, 0.1978, 0.3266

Triad

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



40.6589, 0.2475, 0.4111



40.6589, 0.2258, 0.2108



40.6589, 0.4686, 0.3699

Complementary

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



40.6589, 0.2475, 0.4111



11.6834, 0.5946, 0.3049

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.



40.6589, 0.4401, 0.3129



40.6589, 0.2475, 0.4111



40.6589, 0.2904, 0.2265

Square

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



40.6589, 0.2475, 0.4111



40.6589, 0.1879, 0.2197



40.6589, 0.3709, 0.2626



40.6589, 0.4483, 0.4260

Rectangle

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



40.6589, 0.2475, 0.4111



40.6589, 0.1813, 0.2773



40.6589, 0.3709, 0.2626



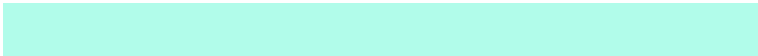
40.6589, 0.4647, 0.3506

Sweetspot

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



40.6629, 0.2475, 0.4111



85.1421, 0.2786, 0.3497



39.2272, 0.3100, 0.5921



18.3486, 0.2744, 0.3531



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.



40.6629, 0.2475, 0.4111



73.6227, 0.2479, 0.4125



24.3008, 0.2016, 0.2457



11.3845, 0.3016, 0.3348



26.7462, 0.2472, 0.4099



1.1660, 0.2416, 0.3896

Inverse Universe

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



11.6834, 0.5946, 0.3049



21.1320, 0.5983, 0.3069



13.6254, 0.6082, 0.3553



10.1178, 0.3251, 0.3233



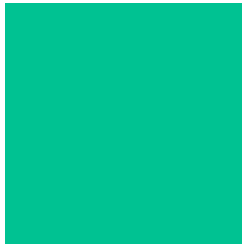
7.6921, 0.5914, 0.3031



0.3438, 0.5261, 0.2672

Previews

White Background



This preview shows how the Yxy color 40.6589, 0.2475, 0.4111 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 40.6589, 0.2475, 0.4111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

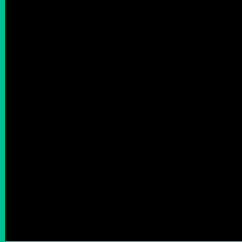
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6589, 0.2475, 0.4111

Background



This preview shows how black text looks on a background with the Yxy color 40.6589, 0.2475, 0.4111.



This preview shows how white text looks on a background with the Yxy color 40.6589, 0.2475, 0.4111.

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

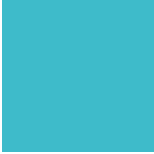
40.6589, 0.2475, 0.4111

Protanopia

39.8005, 0.3541, 0.3777

Deuteranopia

40.0573, 0.3498, 0.3437



Tritanopia

40.8290, 0.2280, 0.3061

Trichromacy



Original Color

40.6589, 0.2475, 0.4111



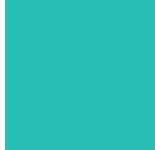
Protanomaly

37.3206, 0.2912, 0.3941



Deuteranomaly

36.9995, 0.2876, 0.3688



Tritanomaly

40.6356, 0.2328, 0.3416

Monochromacy



Original Color

40.6589, 0.2475, 0.4111



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.7278, 0.2654, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6589, 0.2475, 0.4111 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, 194, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 146)  
}
```

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, 194, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 146) }
```

Border

The CSS property to change the border of an element to Yxy 40.6589, 0.2475, 0.4111 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, 194, 146) }
```

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

```
.border{ border-color:rgb(0, 194, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6589, 0.2475, 0.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 146) }
```

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

```
.background{ background-color: rgb(0, 194,  
146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor