

Converting Colors

$Y_{xy}(43.8168, 0.2600, 0.4559)$

Have a look what the booklet for
Yxy(43.8168, 0.2600, 0.4559)
contains.

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Color

Yxy(43.7734, 0.2601, 0.4563)

Conversions

Conversions Part 1

Format	Color
Hex	00CA7F
RGB	0, 202, 127
RGB Percent	0%, 79%, 50%
CMY	0.9993, 0.2078, 0.5020
CMYK	1.00, 0.00, 0.37, 0.21
HSL	158°, 100%, 40%
HSV	158°, 100%, 79%
XYZ	24.9517, 43.7734, 27.2061
YIQ	133.0520, -96.3170, -66.1490

Conversions

Conversions Part 2

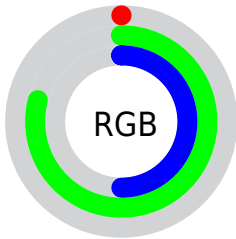
Format	Color
RYB	0, 124, 202
Decimal	51839
CIELab	72.08, -59.49, 25.89
CIELCh	72, 64.877, 156.483
Yxy	43.7734, 0.2601, 0.4563
Android (android.graphics.Color)	4278241919 (0xFF00CA7F)
YUV	133.0520, -2.9836, -116.6866
Hunter-Lab	66.1615, -48.4643, 21.9325

Details

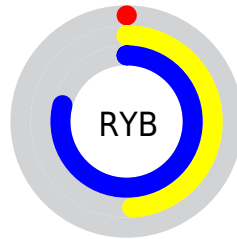
The Yxy color **43.7734, 0.2601, 0.4563** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.0711, 0.5505, 0.2807**, and the grayscale version is **23.5315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5820, 0.2705, 0.4251**, and **21.0936, 0.2690, 0.4884** is the 20% darker color. If you saturate the color by 10%, you get **43.7725, 0.2601, 0.4564**, and if you desaturate by 10%, it is **44.1298, 0.2581, 0.4423**.

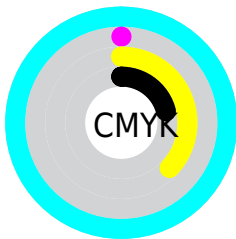
Distribution



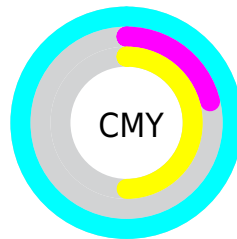
- Red (0%)
- Green (79%)
- Blue (50%)



- Red (0%)
- Yellow (49%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (21%)



- Cyan (100%)
- Magenta (21%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7734, 0.2601, 0.4563 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 43.7734, 0.2601, 0.4563 by changing the saturation by 10% instead.


 43.7734, 0.2601,
0.4563

 43.7734, 0.2601,
0.4563

361.7828, 0.2890,
0.3873


 30.4924, 0.2520,
0.4753


 80.8767, 0.2712,
0.4299


 20.2126, 0.2412,
0.5007


 105.4677, 0.2752,
0.4204


 12.5497, 0.2258,
0.5362


 134.5976, 0.2785,
0.4125

 7.1192, 0.2028,
0.5887

 168.6506, 0.2813,
0.4059

 3.5368, 0.1656,
0.6725

 208.0113, 0.2836,
0.4002

 1.4180, 0.0000,
1.0000

253.0639, 0.2857,

 0.2299, 0.0000,

0.3953

1.0000

304.1930, 0.2874,
0.3910

■ 0.0000, 0.0000,
0.0000

■ 43.7734, 0.2601,
0.4563

■ 43.7734, 0.2601,
0.4563

■ 43.7725, 0.2601,
0.4564

■ 44.1298, 0.2581,
0.4423

■ 44.6577, 0.2578,
0.4280

■ 45.4131, 0.2595,
0.4135

■ 46.4250, 0.2632,
0.3993

■ 47.7179, 0.2686,
0.3854

■ 49.3136, 0.2756,
0.3723

■ 51.2315, 0.2838,
0.3600

■ 53.4893, 0.2930,
0.3486

■ 56.1036, 0.3027,
0.3383

Harmonies

Analogous

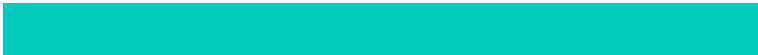
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.7734, 0.3451, 0.5007



43.7734, 0.2601, 0.4563



43.7734, 0.1944, 0.3574

Triad

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



43.7734, 0.2601, 0.4563



43.7734, 0.1953, 0.1940



43.7734, 0.4906, 0.3508

Complementary

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



43.7734, 0.2601, 0.4563



13.0711, 0.5505, 0.2807

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.



43.7734, 0.4397, 0.2890



43.7734, 0.2601, 0.4563



43.7734, 0.2587, 0.2036

Square

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



43.7734, 0.2601, 0.4563



43.7734, 0.1635, 0.2126



43.7734, 0.3488, 0.2371



43.7734, 0.4820, 0.4161

Rectangle

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



43.7734, 0.2601, 0.4563



43.7734, 0.1692, 0.2928



43.7734, 0.3488, 0.2371



43.7734, 0.4801, 0.3296

Sweetspot

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



43.7751, 0.2601, 0.4563



86.5663, 0.2834, 0.3606



43.8428, 0.3219, 0.5826



18.2196, 0.2798, 0.3657



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.



43.7751, 0.2601, 0.4563



74.0658, 0.2606, 0.4583



36.2876, 0.2144, 0.2916



12.6536, 0.3032, 0.3378



28.1840, 0.2596, 0.4545



1.4684, 0.2520, 0.4270

Inverse Universe

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



13.0711, 0.5505, 0.2807



22.0822, 0.5541, 0.2826



13.1988, 0.6307, 0.3373



11.2815, 0.3233, 0.3204



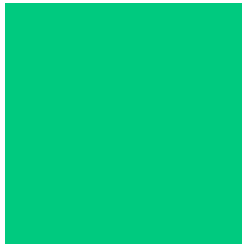
8.4235, 0.5472, 0.2788



0.4491, 0.4937, 0.2493

Previews

White Background



This preview shows how the Yxy color 43.7734, 0.2601, 0.4563 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 43.7734, 0.2601, 0.4563 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 43.7734, 0.2601, 0.4563

Background



This preview shows how black text looks on a background with the Yxy color 43.7734, 0.2601, 0.4563.

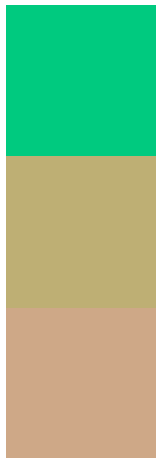


This preview shows how white text looks on a background with the Yxy color 43.7734, 0.2601, 0.4563.

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

43.7734, 0.2601, 0.4563

Protanopia

42.8680, 0.3772, 0.4071

Deuteranopia

42.8763, 0.3792, 0.3709



Tritanopia

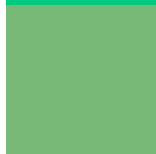
43.6311, 0.2303, 0.3053

Trichromacy



Original Color

43.7734, 0.2601, 0.4563



Protanomaly

40.1189, 0.3086, 0.4326



Deuteranomaly

39.1338, 0.3084, 0.4043



Tritanomaly

43.3154, 0.2381, 0.3556

Monochromacy



Original Color

43.7734, 0.2601, 0.4563



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

28.0237, 0.2715, 0.3791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7734, 0.2601, 0.4563 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, 202, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 127)  
}
```

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, 202, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 127) }
```

Border

The CSS property to change the border of an element to Yxy 43.7734, 0.2601, 0.4563 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, 202, 127) }
```

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

```
.border{ border-color:rgb(0, 202, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 202, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7734, 0.2601, 0.4563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 127) }
```

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

```
.background{ background-color: rgb(0, 202,  
127) }
```

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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