

Converting Colors

$Y_{xy}(49.6018, 0.2265, 0.4142)$

Have a look what the booklet for
Yxy(49.6018, 0.2265, 0.4142)
contains.

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Color

Yxy(51.7561, 0.2475, 0.4110)

Conversions

Conversions Part 1

Format	Color
Hex	00D8A3
RGB	0, 216, 163
RGB Percent	0%, 85%, 64%
CMY	1.0000, 0.1529, 0.3607
CMYK	1.00, 0.00, 0.25, 0.15
HSL	165°, 100%, 42%
HSV	165°, 100%, 85%
XYZ	31.1670, 51.7561, 43.0042
YIQ	145.3740, -111.7230, -62.2750

Conversions

Conversions Part 2

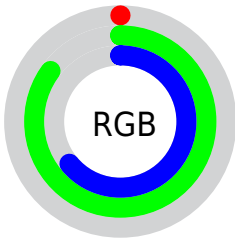
Format	Color
RYB	0, 123, 216
Decimal	55459
CIELab	77.13, -56.65, 13.84
CIELCh	77, 58.318, 166.274
Yxy	51.7561, 0.2475, 0.4110
Android (android.graphics.Color)	4278245539 (0xFF00D8A3)
YUV	145.3740, 8.6896, -127.4930
Hunter-Lab	71.9417, -48.5672, 14.9178

Details

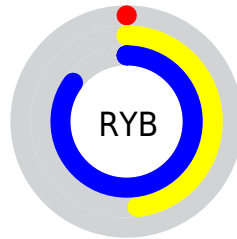
The Yxy color **51.7561, 0.2475, 0.4110** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.8564, 0.5968, 0.3062**, and the grayscale version is **28.4749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6461, 0.2554, 0.3742**, and **26.2893, 0.2530, 0.4308** is the 20% darker color. If you saturate the color by 10%, you get **51.7585, 0.2475, 0.4110**, and if you desaturate by 10%, it is **52.1185, 0.2466, 0.4019**.

Distribution



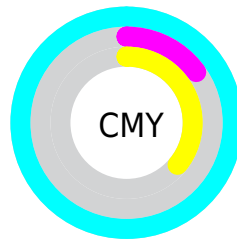
- Red (0%)
- Green (85%)
- Blue (64%)



- Red (0%)
- Yellow (48%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7561, 0.2475, 0.4110 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 51.7561, 0.2475, 0.4110 by changing the saturation by 10% instead.


 51.7561, 0.2475,
0.4110


 51.7561, 0.2475,
0.4110


393.4943, 0.2803,
0.3687


 36.8107, 0.2393,
0.4219


 92.7714, 0.2594,
0.3954

 25.0610, 0.2288,
0.4361


 119.6102, 0.2639,
0.3896

 16.1225, 0.2149,
0.4554


 151.1821, 0.2677,
0.3847

 9.6109, 0.1956,
0.4828

 187.8717, 0.2709,
0.3806

 5.1417, 0.1676,
0.5245

 230.0634, 0.2737,
0.3770

 2.3307, 0.1089,
0.6046

278.1414, 0.2762,

 0.7899, 0.0000,

0.3739

1.0000

332.4902, 0.2784,
0.3711

■ 0.0000, 0.0000,
0.0000

■ 51.7561, 0.2475,
0.4110

■ 51.7561, 0.2475,
0.4110

■ 51.7585, 0.2475,
0.4110

■ 52.1185, 0.2466,
0.4019

■ 52.6724, 0.2473,
0.3928

■ 53.4817, 0.2500,
0.3836

■ 54.5806, 0.2546,
0.3745

■ 55.9981, 0.2611,
0.3657

■ 57.7594, 0.2693,
0.3573

■ 59.8874, 0.2788,
0.3493

■ 62.4027, 0.2894,
0.3419

■ 65.3247, 0.3008,
0.3352

Harmonies

Analogous

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



51.7561, 0.3186, 0.4675



51.7561, 0.2475, 0.4110



51.7561, 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.



51.7561, 0.2475, 0.4110



51.7561, 0.2259, 0.2109



51.7561, 0.4685, 0.3699

Complementary

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



51.7561, 0.2475, 0.4110



14.8564, 0.5968, 0.3062

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.



51.7561, 0.4401, 0.3130



51.7561, 0.2475, 0.4110



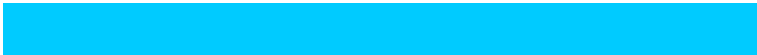
51.7561, 0.2905, 0.2265

Square

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



51.7561, 0.2475, 0.4110



51.7561, 0.1880, 0.2197



51.7561, 0.3709, 0.2626



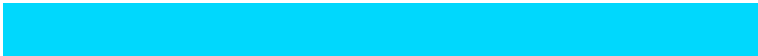
51.7561, 0.4482, 0.4260

Rectangle

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



51.7561, 0.2475, 0.4110



51.7561, 0.1814, 0.2773



51.7561, 0.3709, 0.2626



51.7561, 0.4646, 0.3506

Sweetspot

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



51.7585, 0.2475, 0.4110



87.1140, 0.2785, 0.3496



49.8978, 0.3096, 0.5924



18.3507, 0.2743, 0.3529



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.



51.7585, 0.2475, 0.4110



75.3456, 0.2477, 0.4118



30.7996, 0.2014, 0.2450



14.0534, 0.3015, 0.3348



30.6525, 0.2471, 0.4096



1.8615, 0.2428, 0.3939

Inverse Universe

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



14.8564, 0.5968, 0.3062



21.6139, 0.5990, 0.3073



17.2379, 0.6093, 0.3544



12.4703, 0.3253, 0.3233



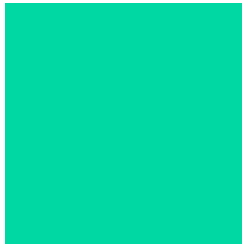
8.8076, 0.5931, 0.3041



0.5445, 0.5433, 0.2767

Previews

White Background



This preview shows how the Yxy color 51.7561, 0.2475, 0.4110 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 51.7561, 0.2475, 0.4110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

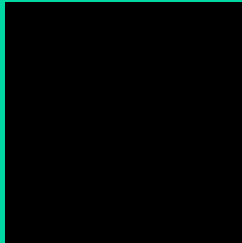
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7561, 0.2475, 0.4110

Background



This preview shows how black text looks on a background with the Yxy color 51.7561, 0.2475, 0.4110.

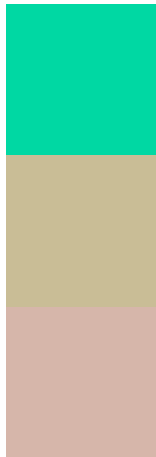


This preview shows how white text looks on a background with the Yxy color 51.7561, 0.2475, 0.4110.

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

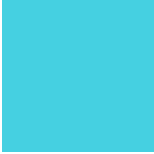
51.7561, 0.2475, 0.4110

Protanopia

51.0147, 0.3540, 0.3779

Deuteranopia

50.6543, 0.3507, 0.3435



Tritanopia

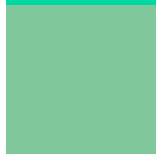
51.8132, 0.2276, 0.3055

Trichromacy



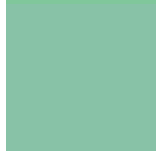
Original Color

51.7561, 0.2475, 0.4110



Protanomaly

47.8026, 0.2902, 0.3937



Deuteranomaly

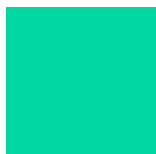
46.6078, 0.2875, 0.3680



Tritanomaly

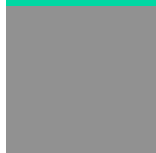
51.3883, 0.2328, 0.3418

Monochromacy



Original Color

51.7561, 0.2475, 0.4110



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

33.6681, 0.2644, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7561, 0.2475, 0.4110 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, 216, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 163)  
}
```

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, 216, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 163) }
```

Border

The CSS property to change the border of an element to Yxy 51.7561, 0.2475, 0.4110 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, 216, 163) }
```

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

```
.border{ border-color:rgb(0, 216, 163) }
```

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

Here you see how a box with a 4 pixel rgb(0, 216, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7561, 0.2475, 0.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 163) }
```

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

```
.background{ background-color: rgb(0, 216,  
163) }
```

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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