

Converting Colors

$Y_{xy}(41.9601, 0.2363, 0.4088)$

Have a look what the booklet for
Yxy(41.9601, 0.2363, 0.4088)
contains.

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Color

Yxy(42.6552, 0.2461, 0.4059)

Conversions

Conversions Part 1

Format	Color
Hex	00C698
RGB	0, 198, 152
RGB Percent	0%, 78%, 60%
CMY	0.9993, 0.2235, 0.4040
CMYK	1.00, 0.00, 0.23, 0.22
HSL	166°, 100%, 39%
HSV	166°, 100%, 78%
XYZ	25.8621, 42.6552, 36.5706
YIQ	133.5540, -103.2420, -56.2820

Conversions

Conversions Part 2

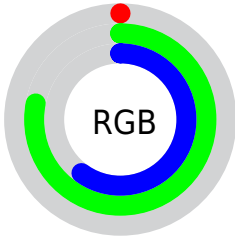
Format	Color
RYB	0, 112, 198
Decimal	50840
CIELab	71.32, -52.38, 11.53
CIELCh	71, 53.634, 167.587
Yxy	42.6552, 0.2461, 0.4059
Android (android.graphics.Color)	4278240920 (0xFF00C698)
YUV	133.5540, 9.0939, -117.1269
Hunter-Lab	65.3109, -43.6109, 12.5185

Details

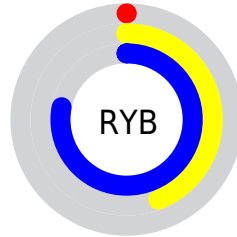
The Yxy color **42.6552, 0.2461, 0.4059** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.2085, 0.5991, 0.3075**, and the grayscale version is **23.6821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7429, 0.2589, 0.3901**, and **20.5845, 0.2515, 0.4253** is the 20% darker color. If you saturate the color by 10%, you get **42.6545, 0.2461, 0.4060**, and if you desaturate by 10%, it is **42.9580, 0.2455, 0.3974**.

Distribution



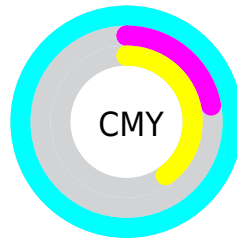
- Red (0%)
- Green (78%)
- Blue (60%)



- Red (0%)
- Yellow (44%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6552, 0.2461, 0.4059 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 42.6552, 0.2461, 0.4059 by changing the saturation by 10% instead.


 42.6552, 0.2461,
0.4059

 42.6552, 0.2461,
0.4059

357.1919, 0.2805,
0.3652

 29.6147, 0.2372,
0.4168


 79.1903, 0.2588,
0.3905


 19.5463, 0.2256,
0.4313


 103.4536, 0.2636,
0.3850


 12.0657, 0.2099,
0.4514


 132.2267, 0.2675,
0.3803

 6.7884, 0.1876,
0.4809

 165.8939, 0.2709,
0.3763

 3.3301, 0.1539,
0.5281

 204.8396, 0.2738,
0.3730

 1.3064, 0.0000,
0.7005

249.4483, 0.2763,

 0.1462, 0.0000,

0.3700

1.0000

300.1042, 0.2785,
0.3674

■ 0.0000, 0.0000,
0.0000

■ 42.6552, 0.2461,
0.4059

■ 42.6552, 0.2461,
0.4059

■ 42.6545, 0.2461,
0.4060

■ 42.9580, 0.2455,
0.3974

■ 43.4159, 0.2464,
0.3888

■ 44.0825, 0.2492,
0.3802

■ 44.9852, 0.2540,
0.3717

■ 46.1472, 0.2607,
0.3634

■ 47.5889, 0.2689,
0.3555

■ 49.3287, 0.2786,
0.3481

■ 51.3832, 0.2893,
0.3411

■ 53.7680, 0.3008,
0.3347

Harmonies

Analogous

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



42.6552, 0.3155, 0.4633



42.6552, 0.2461, 0.4059



42.6552, 0.1983, 0.3233

Triad

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



42.6552, 0.2461, 0.4059



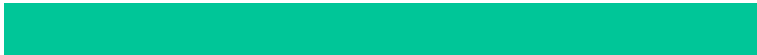
42.6552, 0.2297, 0.2129



42.6552, 0.4657, 0.3721

Complementary

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



42.6552, 0.2461, 0.4059



12.2085, 0.5991, 0.3075

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.



42.6552, 0.4399, 0.3158



42.6552, 0.2461, 0.4059



42.6552, 0.2943, 0.2293

Square

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



42.6552, 0.2461, 0.4059



42.6552, 0.1910, 0.2206



42.6552, 0.3733, 0.2657



42.6552, 0.4442, 0.4269

Rectangle

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



42.6552, 0.2461, 0.4059



42.6552, 0.1829, 0.2757



42.6552, 0.3733, 0.2657



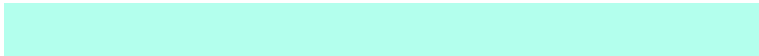
42.6552, 0.4626, 0.3531

Sweetspot

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



42.6569, 0.2461, 0.4059



87.1708, 0.2780, 0.3485



40.9781, 0.3088, 0.5930



18.3644, 0.2738, 0.3516



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.



42.6569, 0.2461, 0.4059



75.4914, 0.2465, 0.4072



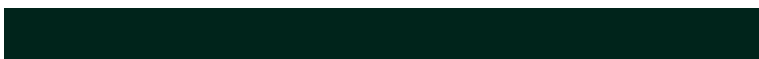
24.4048, 0.1999, 0.2397



12.0237, 0.3014, 0.3344



27.7523, 0.2458, 0.4048



1.3246, 0.2409, 0.3871

Inverse Universe

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



12.2085, 0.5991, 0.3075



21.5790, 0.6027, 0.3094



14.5459, 0.6046, 0.3581



10.6767, 0.3254, 0.3236



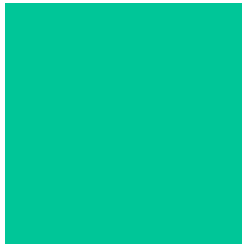
7.9473, 0.5962, 0.3058



0.3879, 0.5357, 0.2725

Previews

White Background



This preview shows how the Yxy color 42.6552, 0.2461, 0.4059 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 42.6552, 0.2461, 0.4059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

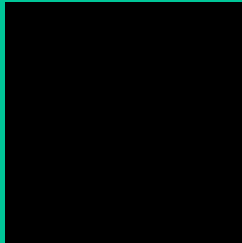
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

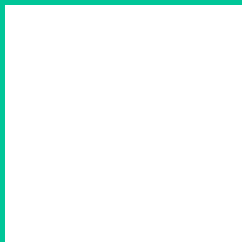
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6552, 0.2461, 0.4059

Background



This preview shows how black text looks on a background with the Yxy color 42.6552, 0.2461, 0.4059.

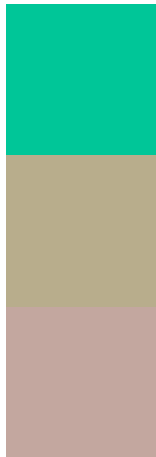


This preview shows how white text looks on a background with the Yxy color 42.6552, 0.2461, 0.4059.

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

42.6552, 0.2461, 0.4059

Protanopia

41.9709, 0.3514, 0.3739

Deuteranopia

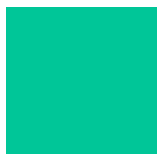
41.7427, 0.3464, 0.3395



Tritanopia

42.7420, 0.2277, 0.3065

Trichromacy



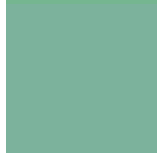
Original Color

42.6552, 0.2461, 0.4059



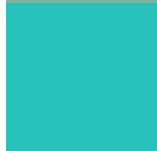
Protanomaly

39.2514, 0.2887, 0.3895



Deuteranomaly

38.5262, 0.2851, 0.3633



Tritanomaly

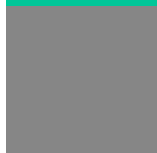
42.5799, 0.2327, 0.3413

Monochromacy



Original Color

42.6552, 0.2461, 0.4059



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.9683, 0.2639, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6552, 0.2461, 0.4059 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, 198, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 152)  
}
```

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, 198, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 152) }
```

Border

The CSS property to change the border of an element to Yxy 42.6552, 0.2461, 0.4059 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, 198, 152) }
```

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

```
.border{ border-color:rgb(0, 198, 152) }
```

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

Here you see how a box with a 4 pixel rgb(0, 198, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6552, 0.2461, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 152) }
```

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

```
.background{ background-color: rgb(0, 198,  
152) }
```

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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