

Converting Colors

$Y_{xy}(42.6812, 0.1882, 0.4050)$

Have a look what the booklet for
Yxy(42.6812, 0.1882, 0.4050)
contains.

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Color

Yxy(47.3423, 0.2432, 0.3957)

Conversions

Conversions Part 1

Format	Color
Hex	00CFA5
RGB	0, 207, 165
RGB Percent	0%, 81%, 65%
CMY	1.0000, 0.1882, 0.3529
CMYK	1.00, 0.00, 0.20, 0.19
HSL	168°, 100%, 41%
HSV	168°, 100%, 81%
XYZ	29.0969, 47.3423, 43.2027
YIQ	140.3190, -109.8900, -56.9460

Conversions

Conversions Part 2

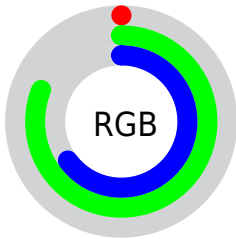
Format	Color
RYB	0, 115, 207
Decimal	53157
CIELab	74.41, -52.71, 8.91
CIELCh	74, 53.457, 170.404
Yxy	47.3423, 0.2432, 0.3957
Android (android.graphics.Color)	4278243237 (0xFF00CFA5)
YUV	140.3190, 12.1677, -123.0598
Hunter-Lab	68.8057, -44.9251, 10.9362

Details

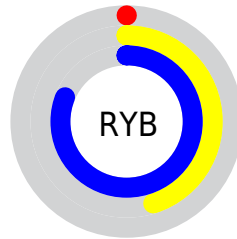
The Yxy color **47.3423, 0.2432, 0.3957** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.4347, 0.6083, 0.3125**, and the grayscale version is **26.3432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6304, 0.2539, 0.3717**, and **23.3255, 0.2475, 0.4110** is the 20% darker color. If you saturate the color by 10%, you get **47.3492, 0.2433, 0.3957**, and if you desaturate by 10%, it is **47.6609, 0.2428, 0.3884**.

Distribution



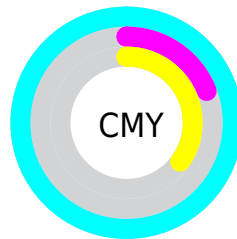
- Red (0%)
- Green (81%)
- Blue (65%)



- Red (0%)
- Yellow (45%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (19%)




- Cyan (100%)
- Magenta (19%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3423, 0.2432, 0.3957 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 47.3423, 0.2432, 0.3957 by changing the saturation by 10% instead.


 47.3423, 0.2432,
0.3957

 47.3423, 0.2432,
0.3957


376.1792, 0.2782,
0.3613


 33.3063, 0.2344,
0.4046


 86.2243, 0.2559,
0.3830


 22.3612, 0.2232,
0.4162


 111.8392, 0.2607,
0.3782


 14.1226, 0.2083,
0.4320


 142.0825, 0.2648,
0.3743

 8.2060, 0.1877,
0.4545

 177.3386, 0.2682,
0.3709

 4.2270, 0.1577,
0.4891

 217.9920, 0.2712,
0.3680

 1.8013, 0.0728,
0.5714

264.4269, 0.2738,

 0.4880, 0.0000,

0.3655

1.0000

317.0279, 0.2761,
0.3633

■ 0.0000, 0.0000,
0.0000

■ 47.3423, 0.2432,
0.3957

■ 47.3423, 0.2432,
0.3957

■ 47.3492, 0.2433,
0.3957

■ 47.6609, 0.2428,
0.3884

■ 48.1451, 0.2439,
0.3809

■ 48.8586, 0.2470,
0.3735

■ 49.8321, 0.2520,
0.3662

■ 51.0917, 0.2588,
0.3590

■ 52.6600, 0.2673,
0.3522

■ 54.5576, 0.2773,
0.3457

■ 56.8031, 0.2883,
0.3396

■ 59.4137, 0.3002,
0.3341

Harmonies

Analogous

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



47.3423, 0.3091, 0.4547



47.3423, 0.2432, 0.3957



47.3423, 0.1992, 0.3168

Triad

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



47.3423, 0.2432, 0.3957



47.3423, 0.2374, 0.2171



47.3423, 0.4602, 0.3765

Complementary

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



47.3423, 0.2432, 0.3957



13.4347, 0.6083, 0.3125

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.



47.3423, 0.4394, 0.3216



47.3423, 0.2432, 0.3957



47.3423, 0.3020, 0.2350

Square

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



47.3423, 0.2432, 0.3957



47.3423, 0.1972, 0.2224



47.3423, 0.3782, 0.2720



47.3423, 0.4360, 0.4287

Rectangle

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



47.3423, 0.2432, 0.3957



47.3423, 0.1860, 0.2724



47.3423, 0.3782, 0.2720



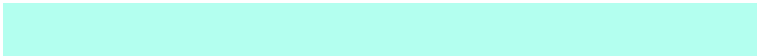
47.3423, 0.4585, 0.3581

Sweetspot

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



47.3492, 0.2433, 0.3957



87.3044, 0.2769, 0.3459



45.1870, 0.3075, 0.5940



18.3966, 0.2725, 0.3486



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.



47.3492, 0.2433, 0.3957



75.8438, 0.2435, 0.3966



25.7986, 0.1982, 0.2333



13.3643, 0.3010, 0.3338



29.8415, 0.2430, 0.3947



1.6792, 0.2392, 0.3812

Inverse Universe

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



13.4347, 0.6083, 0.3125



21.5057, 0.6108, 0.3138



16.3599, 0.6014, 0.3607



11.8469, 0.3259, 0.3243



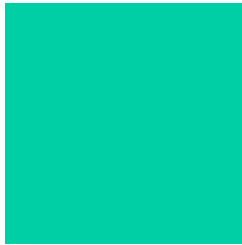
8.4742, 0.6052, 0.3108



0.4855, 0.5539, 0.2825

Previews

White Background



This preview shows how the Yxy color 47.3423, 0.2432, 0.3957 looks on a white background.

Color Contrast Check

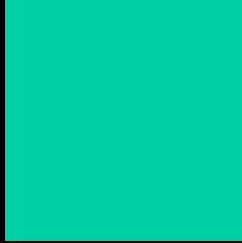
Large Text (above 18pt) WCAG AA × Fail

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 47.3423, 0.2432, 0.3957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

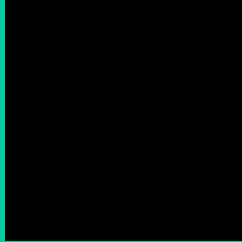
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

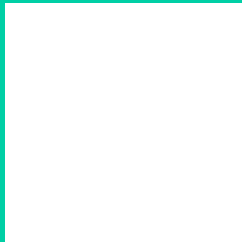
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.3423, 0.2432, 0.3957

Background



This preview shows how black text looks on a background with the Yxy color 47.3423, 0.2432, 0.3957.

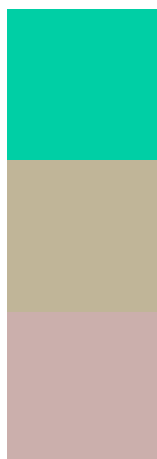


This preview shows how white text looks on a background with the Yxy color 47.3423, 0.2432, 0.3957.

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

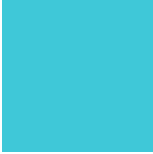
47.3423, 0.2432, 0.3957

Protanopia

46.5212, 0.3464, 0.3668

Deuteranopia

46.3350, 0.3405, 0.3328



Tritanopia

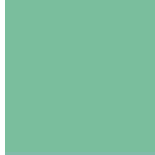
47.3232, 0.2269, 0.3060

Trichromacy



Original Color

47.3423, 0.2432, 0.3957



Protanomaly

43.3988, 0.2841, 0.3791



Deuteranomaly

43.0723, 0.2806, 0.3556



Tritanomaly

47.1942, 0.2312, 0.3377

Monochromacy



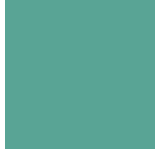
Original Color

47.3423, 0.2432, 0.3957



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.8447, 0.2628, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3423, 0.2432, 0.3957 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, 207, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 165)  
}
```

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, 207, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 165) }
```

Border

The CSS property to change the border of an element to Yxy 47.3423, 0.2432, 0.3957 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, 207, 165) }
```

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

```
.border{ border-color:rgb(0, 207, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3423, 0.2432, 0.3957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 165) }
```

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

```
.background{ background-color: rgb(0, 207,  
165) }
```

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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