

Converting Colors

$Y_{xy}(46.0227, 0.2405, 0.3859)$

Have a look what the booklet for
Yxy(46.0227, 0.2405, 0.3859)
contains.

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Color

Yxy(46.0129, 0.2407, 0.3864)

Conversions

Conversions Part 1

Format	Color
Hex	00CCA8
RGB	0, 204, 168
RGB Percent	0%, 80%, 66%
CMY	0.9983, 0.2000, 0.3413
CMYK	1.00, 0.00, 0.18, 0.20
HSL	169°, 100%, 40%
HSV	169°, 100%, 80%
XYZ	28.6628, 46.0129, 44.4053
YIQ	138.9000, -110.0280, -54.4440

Conversions

Conversions Part 2

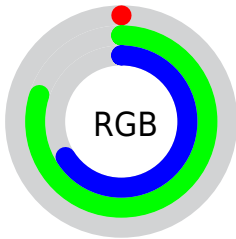
Format	Color
RYB	0, 112, 204
Decimal	52392
CIELab	73.55, -50.71, 6.09
CIELCh	74, 51.075, 173.155
Yxy	46.0129, 0.2407, 0.3864
Android (android.graphics.Color)	4278242472 (0xFF00CCA8)
YUV	138.9000, 14.3463, -121.8153
Hunter-Lab	67.8328, -43.2821, 8.6700

Details

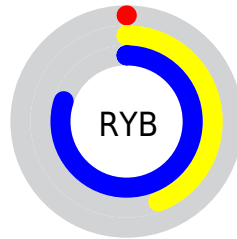
The Yxy color **46.0129, 0.2407, 0.3864** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.9769, 0.6141, 0.3158**, and the grayscale version is **25.8051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7313, 0.2523, 0.3679**, and **22.7558, 0.2446, 0.4004** is the 20% darker color. If you saturate the color by 10%, you get **46.0090, 0.2407, 0.3865**, and if you desaturate by 10%, it is **46.3059, 0.2405, 0.3801**.

Distribution



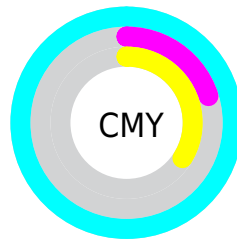
- Red (0%)
- Green (80%)
- Blue (66%)



- Red (0%)
- Yellow (44%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0129, 0.2407, 0.3864 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 46.0129, 0.2407, 0.3864 by changing the saturation by 10% instead.


 46.0129, 0.2407,
0.3864

 46.0129, 0.2407,
0.3864


370.8605, 0.2769,
0.3570


 32.2560, 0.2317,
0.3940


 84.2383, 0.2538,
0.3755


 21.5571, 0.2201,
0.4038


 109.4756, 0.2588,
0.3715


 13.5318, 0.2048,
0.4171


 139.3085, 0.2630,
0.3681

 7.7958, 0.1838,
0.4360

 174.1213, 0.2665,
0.3652

 3.9646, 0.1532,
0.4647

 214.2986, 0.2696,
0.3627

 1.6538, 0.0613,
0.5384

260.2246, 0.2723,

 0.3934, 0.0000,

0.3606

0.9929

312.2838, 0.2747,
0.3586

■ 0.0000, 0.0000,
0.0000

■ 46.0129, 0.2407,
0.3864

■ 46.0129, 0.2407,
0.3864

■ 46.0090, 0.2407,
0.3865

■ 46.3059, 0.2405,
0.3801

■ 46.7647, 0.2419,
0.3737

■ 47.4447, 0.2452,
0.3674

■ 48.3755, 0.2505,
0.3610

■ 49.5820, 0.2576,
0.3549

■ 51.0860, 0.2664,
0.3490

■ 52.9072, 0.2766,
0.3434

■ 55.0637, 0.2879,
0.3381

■ 57.5719, 0.3002,
0.3333

Harmonies

Analogous

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



46.0129, 0.3033, 0.4464



46.0129, 0.2407, 0.3864



46.0129, 0.2003, 0.3110

Triad

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



46.0129, 0.2407, 0.3864



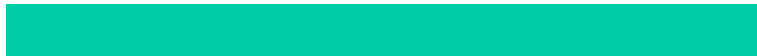
46.0129, 0.2447, 0.2212



46.0129, 0.4548, 0.3805

Complementary

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



46.0129, 0.2407, 0.3864



12.9769, 0.6141, 0.3158

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.



46.0129, 0.4386, 0.3270



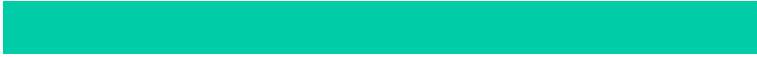
46.0129, 0.2407, 0.3864



46.0129, 0.3091, 0.2404

Square

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



46.0129, 0.2407, 0.3864



46.0129, 0.2032, 0.2243



46.0129, 0.3824, 0.2778



46.0129, 0.4283, 0.4299

Rectangle

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



46.0129, 0.2407, 0.3864



46.0129, 0.1890, 0.2696



46.0129, 0.3824, 0.2778



46.0129, 0.4544, 0.3626

Sweetspot

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



46.0147, 0.2407, 0.3864



87.4228, 0.2759, 0.3437



43.5939, 0.3057, 0.5953



18.4252, 0.2714, 0.3461



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.



46.0147, 0.2407, 0.3864



76.1671, 0.2409, 0.3873



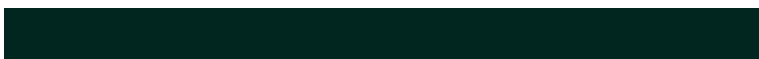
22.9835, 0.1949, 0.2216



12.6916, 0.3007, 0.3331



28.9712, 0.2405, 0.3856



1.5038, 0.2370, 0.3733

Inverse Universe

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



12.9769, 0.6141, 0.3158



21.4504, 0.6171, 0.3173



16.6069, 0.5926, 0.3674



11.2455, 0.3263, 0.3249



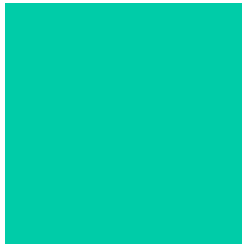
8.1703, 0.6117, 0.3143



0.4317, 0.5599, 0.2858

Previews

White Background



This preview shows how the Yxy color 46.0129, 0.2407, 0.3864 looks on a white background.

Color Contrast Check

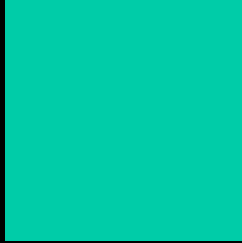
Large Text (above 18pt) WCAG AA × Fail

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 46.0129, 0.2407, 0.3864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

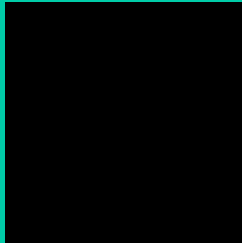
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0129, 0.2407, 0.3864

Background



This preview shows how black text looks on a background with the Yxy color 46.0129, 0.2407, 0.3864.



This preview shows how white text looks on a background with the Yxy color 46.0129, 0.2407, 0.3864.

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

46.0129, 0.2407, 0.3864

Protanopia

45.2981, 0.3406, 0.3607

Deuteranopia

44.9881, 0.3337, 0.3265



Tritanopia

46.2039, 0.2263, 0.3057

Trichromacy



Original Color

46.0129, 0.2407, 0.3864



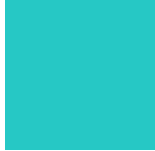
Protanomaly

42.4976, 0.2805, 0.3717



Deuteranomaly

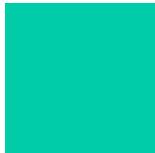
41.6952, 0.2761, 0.3468



Tritanomaly

45.7518, 0.2297, 0.3333

Monochromacy



Original Color

46.0129, 0.2407, 0.3864



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

30.5202, 0.2618, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0129, 0.2407, 0.3864 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, 204, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 168)  
}
```

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, 204, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 168) }
```

Border

The CSS property to change the border of an element to Yxy 46.0129, 0.2407, 0.3864 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, 204, 168) }
```

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

```
.border{ border-color:rgb(0, 204, 168) }
```

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

Here you see how a box with a 4 pixel rgb(0, 204, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0129, 0.2407, 0.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 168) }
```

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

```
.background{ background-color: rgb(0, 204,  
168) }
```

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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