

Converting Colors

$Y_{xy}(40.5567, 0.1906, 0.4696)$

Have a look what the booklet for
Yxy(40.5567, 0.1906, 0.4696)
contains.

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Color

Yxy(45.3839, 0.2576, 0.4473)

Conversions

Conversions Part 1

Format	Color
Hex	00CD86
RGB	0, 205, 134
RGB Percent	0%, 80%, 53%
CMY	0.9993, 0.1961, 0.4745
CMYK	1.00, 0.00, 0.35, 0.20
HSL	159°, 100%, 40%
HSV	159°, 100%, 80%
XYZ	26.1366, 45.3839, 29.9414
YIQ	135.6110, -99.3890, -65.5410

Conversions

Conversions Part 2

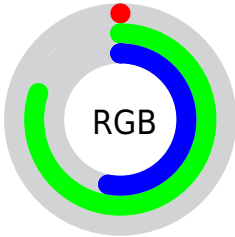
Format	Color
RYB	0, 124, 205
Decimal	52614
CIELab	73.14, -59.10, 23.64
CIELCh	73, 63.651, 158.199
Yxy	45.3839, 0.2576, 0.4473
Android (android.graphics.Color)	4278242694 (0xFF00CD86)
YUV	135.6110, -0.7942, -118.9308
Hunter-Lab	67.3676, -48.6407, 20.8060

Details

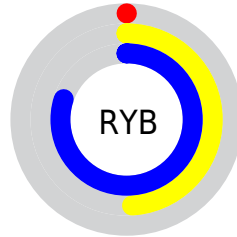
The Yxy color **45.3839, 0.2576, 0.4473** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.4400, 0.5605, 0.2862**, and the grayscale version is **24.5195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9756, 0.2673, 0.4142**, and **22.1350, 0.2656, 0.4761** is the 20% darker color. If you saturate the color by 10%, you get **45.3829, 0.2576, 0.4474**, and if you desaturate by 10%, it is **45.7455, 0.2558, 0.4342**.

Distribution



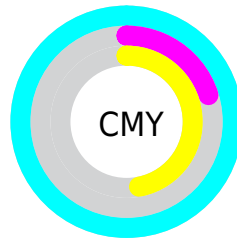
- Red (0%)
- Green (80%)
- Blue (53%)



- Red (0%)
- Yellow (49%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3839, 0.2576, 0.4473 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 45.3839, 0.2576, 0.4473 by changing the saturation by 10% instead.


 45.3839, 0.2576,
0.4473


 45.3839, 0.2576,
0.4473


368.3261, 0.2872,
0.3837


 31.7599, 0.2495,
0.4646


 83.2962, 0.2689,
0.4231


 21.1782, 0.2388,
0.4876


 108.3533, 0.2729,
0.4144

 13.2543, 0.2239,
0.5196


 137.9902, 0.2763,
0.4071

 7.6039, 0.2019,
0.5668

 172.5914, 0.2792,
0.4010

 3.8426, 0.1672,
0.6413

 212.5412, 0.2816,
0.3957

 1.5859, 0.0000,
1.0000

258.2240, 0.2838,

 0.3481, 0.0000,

0.3912

1.0000

310.0241, 0.2856,
0.3872

■ 0.0000, 0.0000,
0.0000

■ 45.3839, 0.2576,
0.4473

■ 45.3839, 0.2576,
0.4473

■ 45.3829, 0.2576,
0.4474

■ 45.7455, 0.2558,
0.4342

■ 46.2832, 0.2557,
0.4209

■ 47.0542, 0.2576,
0.4075

■ 48.0887, 0.2614,
0.3943

■ 49.4121, 0.2671,
0.3815

■ 51.0469, 0.2744,
0.3693

■ 53.0131, 0.2828,
0.3578

■ 55.3291, 0.2923,
0.3473

■ 58.0120, 0.3023,
0.3376

Harmonies

Analogous

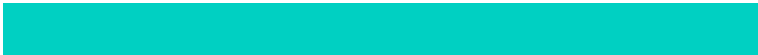
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3839, 0.3400, 0.4947



45.3839, 0.2576, 0.4473



45.3839, 0.1950, 0.3510

Triad

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



45.3839, 0.2576, 0.4473



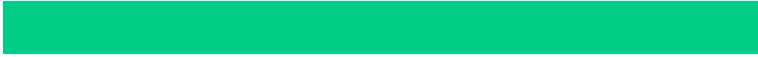
45.3839, 0.2010, 0.1972



45.3839, 0.4865, 0.3546

Complementary

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



45.3839, 0.2576, 0.4473



13.4400, 0.5605, 0.2862

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.



45.3839, 0.4401, 0.2936



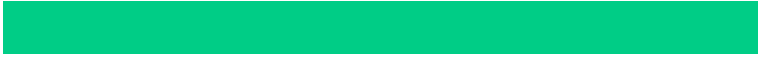
45.3839, 0.2576, 0.4473



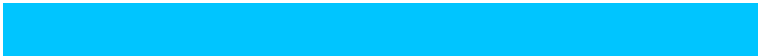
45.3839, 0.2648, 0.2079

Square

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



45.3839, 0.2576, 0.4473



45.3839, 0.1680, 0.2139



45.3839, 0.3533, 0.2420



45.3839, 0.4755, 0.4183

Rectangle

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



45.3839, 0.2576, 0.4473



45.3839, 0.1714, 0.2896



45.3839, 0.3533, 0.2420



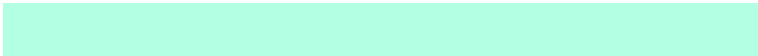
45.3839, 0.4773, 0.3337

Sweetspot

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



45.3857, 0.2576, 0.4473



86.6728, 0.2824, 0.3584



45.0358, 0.3184, 0.5854



18.2450, 0.2787, 0.3632



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.



45.3857, 0.2576, 0.4473



74.2962, 0.2581, 0.4490



34.7880, 0.2112, 0.2803



12.6584, 0.3029, 0.3372



28.2709, 0.2571, 0.4455



1.4724, 0.2500, 0.4199

Inverse Universe

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



13.4400, 0.5605, 0.2862



21.9708, 0.5640, 0.2880



13.9543, 0.6265, 0.3406



11.2768, 0.3237, 0.3210



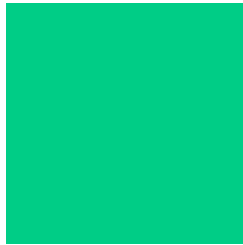
8.3798, 0.5570, 0.2842



0.4466, 0.5020, 0.2539

Previews

White Background



This preview shows how the Yxy color 45.3839, 0.2576, 0.4473 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 45.3839, 0.2576, 0.4473 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 45.3839, 0.2576, 0.4473

Background



This preview shows how black text looks on a background with the Yxy color 45.3839, 0.2576, 0.4473.

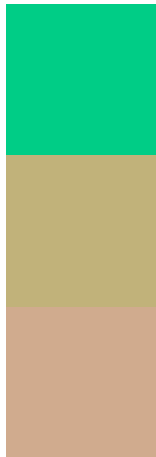


This preview shows how white text looks on a background with the Yxy color 45.3839, 0.2576, 0.4473.

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

45.3839, 0.2576, 0.4473

Protanopia

44.5834, 0.3737, 0.4022

Deuteranopia

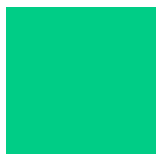
44.4887, 0.3734, 0.3655



Tritanopia

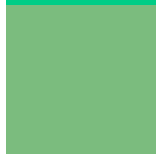
45.1111, 0.2300, 0.3056

Trichromacy



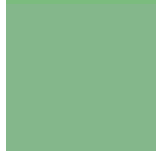
Original Color

45.3839, 0.2576, 0.4473



Protanomaly

41.6838, 0.3059, 0.4262



Deuteranomaly

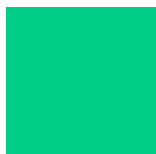
40.6366, 0.3039, 0.3969



Tritanomaly

44.8466, 0.2373, 0.3536

Monochromacy



Original Color

45.3839, 0.2576, 0.4473



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

29.2652, 0.2706, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3839, 0.2576, 0.4473 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, 205, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 134)  
}
```

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, 205, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 134) }
```

Border

The CSS property to change the border of an element to Yxy 45.3839, 0.2576, 0.4473 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, 205, 134) }
```

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

```
.border{ border-color:rgb(0, 205, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3839, 0.2576, 0.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 134) }
```

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

```
.background{ background-color: rgb(0, 205,  
134) }
```

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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