

Converting Colors

$Y_{xy}(35.1375, 0.1902, 0.4895)$

Have a look what the booklet for
Yxy(35.1375, 0.1902, 0.4895)
contains.

Yxy(39.4243, 0.2622, 0.4640)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.4243, 0.2622, 0.4640)

Conversions

Conversions Part 1

Format	Color
Hex	00C175
RGB	0, 193, 117
RGB Percent	0%, 76%, 46%
CMY	1.0000, 0.2431, 0.5412
CMYK	1.00, 0.00, 0.39, 0.24
HSL	156°, 100%, 38%
HSV	156°, 100%, 76%
XYZ	22.2781, 39.4243, 23.2637
YIQ	126.6290, -90.6320, -64.5520

Conversions

Conversions Part 2

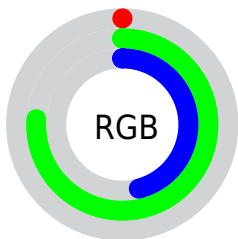
Format	Color
RYB	0, 120, 193
Decimal	49525
CIELab	69.06, -58.34, 27.09
CIELCh	69, 64.325, 155.097
Yxy	39.4243, 0.2622, 0.4640
Android (android.graphics.Color)	4278239605 (0xFF00C175)
YUV	126.6290, -4.7471, -111.0536
Hunter-Lab	62.7888, -46.5466, 21.9847

Details

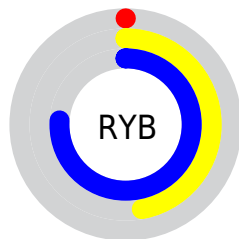
The Yxy color **39.4243, 0.2622, 0.4640** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **11.8604, 0.5411, 0.2754**, and the grayscale version is **21.1308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4933, 0.2733, 0.4351**, and **18.5943, 0.2720, 0.4992** is the 20% darker color. If you saturate the color by 10%, you get **39.4275, 0.2622, 0.4640**, and if you desaturate by 10%, it is **39.7552, 0.2601, 0.4492**.

Distribution



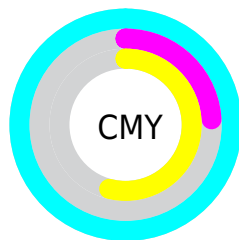
- Red (0%)
- Green (76%)
- Blue (46%)



- Red (0%)
- Yellow (47%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (24%)




- Cyan (100%)
- Magenta (24%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.4243, 0.2622, 0.4640 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 39.4243, 0.2622, 0.4640 by changing the saturation by 10% instead.


 39.4243, 0.2622,
0.4640


 39.4243, 0.2622,
0.4640


343.6911, 0.2908,
0.3894

 27.0900, 0.2539,
0.4850


 74.2861, 0.2734,
0.4351

 17.6408, 0.2424,
0.5135


 97.5823, 0.2774,
0.4248

 10.6924, 0.2258,
0.5540


 125.3012, 0.2806,
0.4163

 5.8604, 0.2001,
0.6149

 157.8273, 0.2833,
0.4092

 2.7604, 0.1551,
0.7371

 195.5450, 0.2856,
0.4032

 1.0080, 0.0000,
1.0000

238.8386, 0.2876,

 0.0000, 0.0000,

0.3979

0.0000

288.0925, 0.2893,
0.3934

■ 39.4243, 0.2622,
0.4640

■ 39.4243, 0.2622,
0.4640

■ 39.4275, 0.2622,
0.4640

■ 39.7552, 0.2601,
0.4492

■ 40.2383, 0.2596,
0.4340

■ 40.9274, 0.2612,
0.4187

■ 41.8487, 0.2647,
0.4036

■ 43.0241, 0.2700,
0.3889

■ 44.4730, 0.2767,
0.3749

■ 46.2129, 0.2847,
0.3619

■ 48.2597, 0.2935,
0.3498

■ 50.6282, 0.3030,
0.3389

Harmonies

Analogous

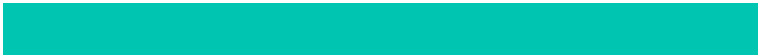
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.4243, 0.3493, 0.5056



39.4243, 0.2622, 0.4640



39.4243, 0.1939, 0.3629

Triad

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



39.4243, 0.2622, 0.4640



39.4243, 0.1905, 0.1914



39.4243, 0.4941, 0.3476

Complementary

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



39.4243, 0.2622, 0.4640



11.8604, 0.5411, 0.2754

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.



39.4243, 0.4393, 0.2851



39.4243, 0.2622, 0.4640



39.4243, 0.2536, 0.2000

Square

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



39.4243, 0.2622, 0.4640



39.4243, 0.1597, 0.2115



39.4243, 0.3450, 0.2331



39.4243, 0.4874, 0.4141

Rectangle

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



39.4243, 0.2622, 0.4640



39.4243, 0.1672, 0.2957



39.4243, 0.3450, 0.2331



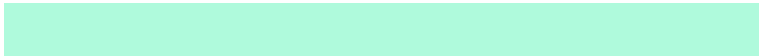
39.4243, 0.4824, 0.3261

Sweetspot

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



39.4275, 0.2622, 0.4640



82.6022, 0.2843, 0.3625



39.7295, 0.3239, 0.5810



17.4252, 0.2808, 0.3679



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.4275, 0.2622, 0.4640



70.5592, 0.2628, 0.4662



34.0095, 0.2159, 0.2972



11.3591, 0.3036, 0.3382



26.2378, 0.2617, 0.4621



1.1469, 0.2525, 0.4289

Inverse Universe

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



11.8604, 0.5411, 0.2754



21.1952, 0.5449, 0.2776



11.8144, 0.6324, 0.3361



10.1421, 0.3229, 0.3200



7.9026, 0.5378, 0.2736



0.3550, 0.4783, 0.2408

Previews

White Background



This preview shows how the Yxy color 39.4243, 0.2622, 0.4640 looks on a white background.

Color Contrast Check

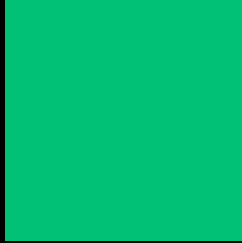
Large Text (above 18pt) WCAG AA × Fail

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 39.4243, 0.2622, 0.4640 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 39.4243, 0.2622, 0.4640

Background



This preview shows how black text looks on a background with the Yxy color 39.4243, 0.2622, 0.4640.



This preview shows how white text looks on a background with the Yxy color 39.4243, 0.2622, 0.4640.

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

39.4243, 0.2622, 0.4640

Protanopia

38.6441, 0.3809, 0.4116

Deuteranopia

38.4926, 0.3832, 0.3753



Tritanopia

39.2463, 0.2311, 0.3058

Trichromacy



Original Color

39.4243, 0.2622, 0.4640



Protanomaly

35.9114, 0.3117, 0.4373



Deuteranomaly

35.2702, 0.3114, 0.4111



Tritanomaly

38.9631, 0.2394, 0.3586

Monochromacy



Original Color

39.4243, 0.2622, 0.4640



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

25.3126, 0.2732, 0.3834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4243, 0.2622, 0.4640 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, 193, 117)` looks like.

```
.text, #text, p{  
  color:rgb(0, 193, 117)  
}
```

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, 193, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 117) }
```

Border

The CSS property to change the border of an element to Yxy 39.4243, 0.2622, 0.4640 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, 193, 117) }
```

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

```
.border{ border-color:rgb(0, 193, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4243, 0.2622, 0.4640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 117) }
```

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

```
.background{ background-color: rgb(0, 193,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor