

Converting Colors

$Yxy(39.5315, 0.2411, 0.4744)$

Have a look what the booklet for
Yxy(39.5315, 0.2411, 0.4744)
contains.

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Color

Yxy(41.2405, 0.2630, 0.4668)

Conversions

Conversions Part 1

Format	Color
Hex	00C576
RGB	0, 197, 118
RGB Percent	0%, 77%, 46%
CMY	1.0000, 0.2274, 0.5373
CMYK	1.00, 0.00, 0.40, 0.23
HSL	156°, 100%, 39%
HSV	156°, 100%, 77%
XYZ	23.2353, 41.2405, 23.8714
YIQ	129.0910, -92.0530, -66.3330

Conversions

Conversions Part 2

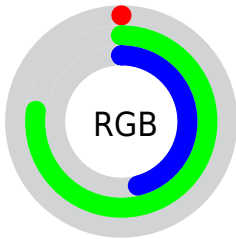
Format	Color
RYB	0, 123, 197
Decimal	50550
CIELab	70.34, -59.54, 28.27
CIELCh	70, 65.908, 154.598
Yxy	41.2405, 0.2630, 0.4668
Android (android.graphics.Color)	4278240630 (0xFF00C576)
YUV	129.0910, -5.4679, -113.2128
Hunter-Lab	64.2188, -47.7988, 22.9138

Details

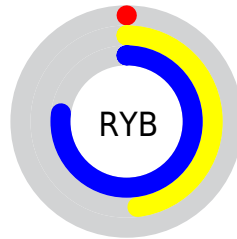
The Yxy color **41.2405, 0.2630, 0.4668** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **12.4356, 0.5385, 0.2740**, and the grayscale version is **22.0306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1129, 0.2738, 0.4375**, and **19.7634, 0.2734, 0.5042** is the 20% darker color. If you saturate the color by 10%, you get **41.2423, 0.2630, 0.4668**, and if you desaturate by 10%, it is **41.5837, 0.2608, 0.4517**.

Distribution



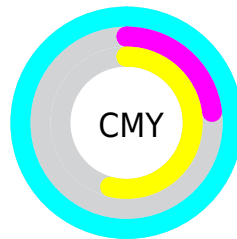
- Red (0%)
- Green (77%)
- Blue (46%)



- Red (0%)
- Yellow (48%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2405, 0.2630, 0.4668 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 41.2405, 0.2630, 0.4668 by changing the saturation by 10% instead.


 41.2405, 0.2630,
0.4668

 41.2405, 0.2630,
0.4668


351.3248, 0.2911,
0.3911


 28.5071, 0.2548,
0.4879


 77.0488, 0.2740,
0.4376


 18.7082, 0.2437,
0.5164


 100.8925, 0.2779,
0.4272

 11.4596, 0.2275,
0.5565


 129.2084, 0.2811,
0.4186

 6.3769, 0.2026,
0.6163

 162.3809, 0.2838,
0.4113

 3.0756, 0.1622,
0.7256

 200.7944, 0.2860,
0.4051

 1.1713, 0.0000,
1.0000

244.8333, 0.2879,

 0.0381, 0.0000,

0.3998

1.0000

294.8819, 0.2896,
0.3952

■ 0.0000, 0.0000,
0.0000

■ 41.2405, 0.2630,
0.4668

■ 41.2405, 0.2630,
0.4668

■ 41.2423, 0.2630,
0.4668

■ 41.5837, 0.2608,
0.4517

■ 42.0892, 0.2602,
0.4363

■ 42.8113, 0.2617,
0.4206

■ 43.7773, 0.2651,
0.4052

■ 45.0106, 0.2703,
0.3902

■ 46.5315, 0.2770,
0.3759

■ 48.3583, 0.2849,
0.3626

■ 50.5080, 0.2937,
0.3503

■ 52.9960, 0.3030,
0.3391

Harmonies

Analogous

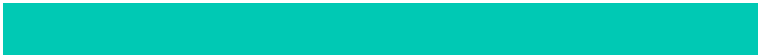
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.2405, 0.3509, 0.5073



41.2405, 0.2630, 0.4668



41.2405, 0.1937, 0.3650

Triad

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



41.2405, 0.2630, 0.4668



41.2405, 0.1888, 0.1904



41.2405, 0.4953, 0.3464

Complementary

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



41.2405, 0.2630, 0.4668



12.4356, 0.5385, 0.2740

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.



41.2405, 0.4391, 0.2837



41.2405, 0.2630, 0.4668



41.2405, 0.2517, 0.1987

Square

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



41.2405, 0.2630, 0.4668



41.2405, 0.1583, 0.2111



41.2405, 0.3436, 0.2316



41.2405, 0.4894, 0.4134

Rectangle

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



41.2405, 0.2630, 0.4668



41.2405, 0.1666, 0.2968



41.2405, 0.3436, 0.2316



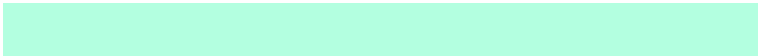
41.2405, 0.4832, 0.3248

Sweetspot

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



41.2423, 0.2630, 0.4668



86.4433, 0.2845, 0.3631



41.7322, 0.3257, 0.5796



18.1903, 0.2811, 0.3688



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.



41.2423, 0.2630, 0.4668



73.8108, 0.2636, 0.4690



36.9116, 0.2174, 0.3026



11.9927, 0.3036, 0.3384



27.1425, 0.2625, 0.4648



1.2992, 0.2537, 0.4332

Inverse Universe

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



12.4356, 0.5385, 0.2740



22.2248, 0.5422, 0.2761



12.2540, 0.6341, 0.3347



10.7063, 0.3228, 0.3198



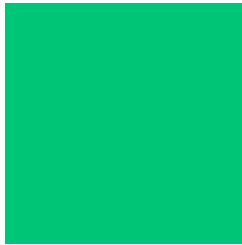
8.1946, 0.5351, 0.2722



0.4023, 0.4801, 0.2419

Previews

White Background



This preview shows how the Yxy color 41.2405, 0.2630, 0.4668 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 41.2405, 0.2630, 0.4668 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 41.2405, 0.2630, 0.4668

Background



This preview shows how black text looks on a background with the Yxy color 41.2405, 0.2630, 0.4668.



This preview shows how white text looks on a background with the Yxy color 41.2405, 0.2630, 0.4668.

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

41.2405, 0.2630, 0.4668

Protanopia

40.6265, 0.3828, 0.4151

Deuteranopia

40.6138, 0.3854, 0.3781



Tritanopia

41.1445, 0.2309, 0.3062

Trichromacy



Original Color

41.2405, 0.2630, 0.4668



Protanomaly

37.6418, 0.3129, 0.4418



Deuteranomaly

37.1479, 0.3138, 0.4140



Tritanomaly

40.7598, 0.2399, 0.3614

Monochromacy



Original Color

41.2405, 0.2630, 0.4668



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.3857, 0.2730, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2405, 0.2630, 0.4668 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, 197, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 118)  
}
```

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, 197, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 118) }
```

Border

The CSS property to change the border of an element to Yxy 41.2405, 0.2630, 0.4668 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, 197, 118) }
```

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

```
.border{ border-color:rgb(0, 197, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2405, 0.2630, 0.4668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 118) }
```

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

```
.background{ background-color: rgb(0, 197,  
118) }
```

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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