

Converting Colors

$Y_{xy}(37.9179, 0.2417, 0.5027)$

Have a look what the booklet for
Yxy(37.9179, 0.2417, 0.5027)
contains.

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Color

Yxy(40.0095, 0.2699, 0.4917)

Conversions

Conversions Part 1

Format	Color
Hex	00C367
RGB	0, 195, 103
RGB Percent	0%, 76%, 40%
CMY	1.0000, 0.2353, 0.5960
CMYK	1.00, 0.00, 0.47, 0.24
HSL	152°, 100%, 38%
HSV	152°, 100%, 76%
XYZ	21.9617, 40.0095, 19.3985
YIQ	126.2070, -86.6880, -69.9520

Conversions

Conversions Part 2

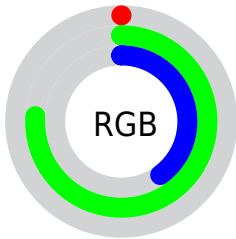
Format	Color
RYB	0, 128, 195
Decimal	50023
CIELab	69.48, -61.62, 34.83
CIELCh	69, 70.781, 150.518
Yxy	40.0095, 0.2699, 0.4917
Android (android.graphics.Color)	4278240103 (0xFF00C367)
YUV	126.2070, -11.4411, -110.6835
Hunter-Lab	63.2531, -48.7170, 26.0940

Details

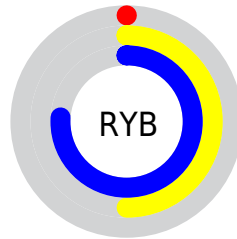
The Yxy color **40.0095, 0.2699, 0.4917** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **12.3756, 0.5087, 0.2576**, and the grayscale version is **21.0014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2698, 0.2807, 0.4574**, and **19.0225, 0.2814, 0.5329** is the 20% darker color. If you saturate the color by 10%, you get **40.0123, 0.2699, 0.4917**, and if you desaturate by 10%, it is **40.3509, 0.2672, 0.4744**.

Distribution



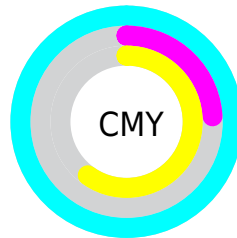
- Red (0%)
- Green (76%)
- Blue (40%)



- Red (0%)
- Yellow (50%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (24%)




- Cyan (100%)
- Magenta (24%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.0095, 0.2699, 0.4917 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 40.0095, 0.2699, 0.4917 by changing the saturation by 10% instead.


 40.0095, 0.2699,
0.4917


 40.0095, 0.2699,
0.4917


346.1636, 0.2957,
0.4015

 27.5460, 0.2618,
0.5171


 75.1780, 0.2805,
0.4568


 17.9837, 0.2503,
0.5513


 98.6517, 0.2841,
0.4443

 10.9383, 0.2330,
0.5993


 126.5643, 0.2870,
0.4340

 6.0253, 0.2052,
0.6697

 159.3001, 0.2893,
0.4254

 2.8605, 0.1601,
0.8399

 197.2435, 0.2913,
0.4180

 1.0593, 0.0000,
1.0000

240.7790, 0.2930,

 0.0000, 0.0000,

0.4117

0.0000

290.2909, 0.2945,
0.4063

■ 40.0095, 0.2699,
0.4917

■ 40.0095, 0.2699,
0.4917

■ 40.0123, 0.2699,
0.4917

■ 40.3509, 0.2672,
0.4744

■ 40.8547, 0.2661,
0.4563

■ 41.5756, 0.2671,
0.4378

■ 42.5405, 0.2699,
0.4194

■ 43.7721, 0.2745,
0.4016

■ 45.2908, 0.2806,
0.3846

■ 47.1145, 0.2877,
0.3687

■ 49.2599, 0.2956,
0.3541

■ 51.7424, 0.3040,
0.3409

Harmonies

Analogous

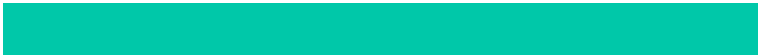
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.0095, 0.3642, 0.5214



40.0095, 0.2699, 0.4917



40.0095, 0.1924, 0.3840

Triad

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



40.0095, 0.2699, 0.4917



40.0095, 0.1741, 0.1822



40.0095, 0.5057, 0.3361

Complementary

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



40.0095, 0.2699, 0.4917



12.3756, 0.5087, 0.2576

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.



40.0095, 0.4370, 0.2714



40.0095, 0.2699, 0.4917



40.0095, 0.2356, 0.1875

Square

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



40.0095, 0.2699, 0.4917



40.0095, 0.1467, 0.2079



40.0095, 0.3308, 0.2188



40.0095, 0.5065, 0.4064

Rectangle

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



40.0095, 0.2699, 0.4917



40.0095, 0.1608, 0.3067



40.0095, 0.3308, 0.2188



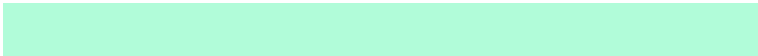
40.0095, 0.4898, 0.3137

Sweetspot

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



40.0123, 0.2699, 0.4917



84.2127, 0.2873, 0.3694



41.4260, 0.3341, 0.5729



18.1216, 0.2842, 0.3761



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.



40.0123, 0.2699, 0.4917



71.6070, 0.2706, 0.4942



41.5325, 0.2232, 0.3237



11.3457, 0.3046, 0.3401



26.0212, 0.2693, 0.4894



1.1381, 0.2584, 0.4502

Inverse Universe

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



12.3756, 0.5087, 0.2576



22.1138, 0.5122, 0.2595



11.6734, 0.6389, 0.3309



10.1552, 0.3217, 0.3182



8.0596, 0.5055, 0.2559



0.3622, 0.4538, 0.2273

Previews

White Background



This preview shows how the Yxy color 40.0095, 0.2699, 0.4917 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 40.0095, 0.2699, 0.4917 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 40.0095, 0.2699, 0.4917

Background



This preview shows how black text looks on a background with the Yxy color 40.0095, 0.2699, 0.4917.



This preview shows how white text looks on a background with the Yxy color 40.0095, 0.2699, 0.4917.

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

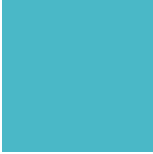
40.0095, 0.2699, 0.4917

Protanopia

39.1099, 0.3950, 0.4293

Deuteranopia

39.1940, 0.4011, 0.3933



Tritanopia

39.8603, 0.2324, 0.3060

Trichromacy



Original Color

40.0095, 0.2699, 0.4917



Protanomaly

36.5554, 0.3229, 0.4620



Deuteranomaly

35.6370, 0.3257, 0.4346



Tritanomaly

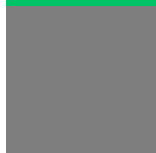
39.2511, 0.2429, 0.3688

Monochromacy



Original Color

40.0095, 0.2699, 0.4917



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

25.1467, 0.2763, 0.3938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0095, 0.2699, 0.4917 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, 195, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 103)  
}
```

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, 195, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 103) }
```

Border

The CSS property to change the border of an element to Yxy 40.0095, 0.2699, 0.4917 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, 195, 103) }
```

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

```
.border{ border-color:rgb(0, 195, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 195, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0095, 0.2699, 0.4917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 103) }
```

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

```
.background{ background-color: rgb(0, 195,  
103) }
```

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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