

Converting Colors

$Y_{xy}(39.6055, 0.2507, 0.4934)$

Have a look what the booklet for
Yxy(39.6055, 0.2507, 0.4934)
contains.

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Color

Yxy(40.9940, 0.2685, 0.4866)

Conversions

Conversions Part 1

Format	Color
Hex	00C56B
RGB	0, 197, 107
RGB Percent	0%, 77%, 42%
CMY	1.0000, 0.2274, 0.5804
CMYK	1.00, 0.00, 0.46, 0.23
HSL	153°, 100%, 39%
HSV	153°, 100%, 77%
XYZ	22.6200, 40.9940, 20.6318
YIQ	127.8370, -88.5220, -69.7540

Conversions

Conversions Part 2

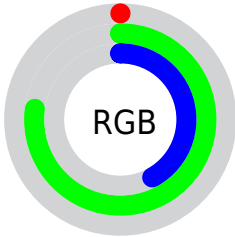
Format	Color
RYB	0, 128, 197
Decimal	50539
CIELab	70.17, -61.58, 33.70
CIELCh	70, 70.195, 151.311
Yxy	40.9940, 0.2685, 0.4866
Android (android.graphics.Color)	4278240619 (0xFF00C56B)
YUV	127.8370, -10.2726, -112.1130
Hunter-Lab	64.0266, -48.9841, 25.7131

Details

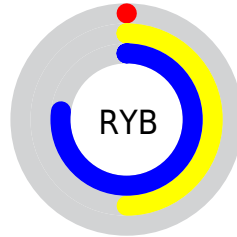
The Yxy color **40.9940, 0.2685, 0.4866** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **12.6089, 0.5152, 0.2612**, and the grayscale version is **21.5871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7674, 0.2791, 0.4524**, and **19.6414, 0.2801, 0.5285** is the 20% darker color. If you saturate the color by 10%, you get **40.9958, 0.2685, 0.4866**, and if you desaturate by 10%, it is **41.3408, 0.2659, 0.4697**.

Distribution



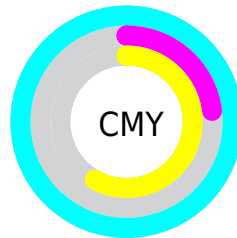
- Red (0%)
- Green (77%)
- Blue (42%)



- Red (0%)
- Yellow (50%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9940, 0.2685, 0.4866 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 40.9940, 0.2685, 0.4866 by changing the saturation by 10% instead.

 40.9940, 0.2685,
0.4866

 40.9940, 0.2685,
0.4866


350.2955, 0.2947,
0.3996

 28.3144, 0.2604,
0.5110


 76.6748, 0.2791,
0.4530


 18.5628, 0.2491,
0.5437


 100.4448, 0.2827,
0.4410

 11.3548, 0.2324,
0.5896


 128.6803, 0.2857,
0.4310

 6.3060, 0.2057,
0.6571

 161.7658, 0.2881,
0.4227

 3.0320, 0.1662,
0.8135

 200.0857, 0.2902,
0.4156

 1.1485, 0.0000,
1.0000

244.0244, 0.2919,

 0.0190, 0.0000,


0.4095


1.0000


293.9662, 0.2934,
0.4042


 0.0000, 0.0000,
0.0000

 40.9940, 0.2685,
0.4866


 40.9940, 0.2685,
0.4866


 40.9958, 0.2685,
0.4866

 41.3408, 0.2659,
0.4697

 41.8541, 0.2649,
0.4522

 42.5884, 0.2659,
0.4343

 43.5712, 0.2689,
0.4165

 44.8259, 0.2736,
0.3992

■ 46.3732, 0.2798,
0.3828

■ 48.2315, 0.2871,
0.3674

■ 50.4178, 0.2952,
0.3533

■ 52.9478, 0.3038,
0.3405

Harmonies

Analogous

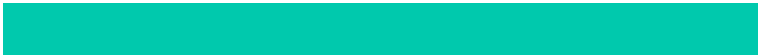
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.9940, 0.3615, 0.5187



40.9940, 0.2685, 0.4866



40.9940, 0.1927, 0.3800

Triad

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



40.9940, 0.2685, 0.4866



40.9940, 0.1771, 0.1839



40.9940, 0.5037, 0.3382

Complementary

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



40.9940, 0.2685, 0.4866



12.6089, 0.5152, 0.2612

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.



40.9940, 0.4375, 0.2739



40.9940, 0.2685, 0.4866



40.9940, 0.2389, 0.1897

Square

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



40.9940, 0.2685, 0.4866



40.9940, 0.1490, 0.2085



40.9940, 0.3334, 0.2214



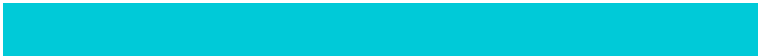
40.9940, 0.5030, 0.4078

Rectangle

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



40.9940, 0.2685, 0.4866



40.9940, 0.1619, 0.3046



40.9940, 0.3334, 0.2214



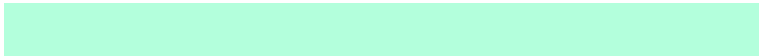
40.9940, 0.4885, 0.3160

Sweetspot

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



40.9958, 0.2685, 0.4866



86.2144, 0.2867, 0.3681



42.2061, 0.3319, 0.5747



18.1359, 0.2835, 0.3745



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.



40.9958, 0.2685, 0.4866



73.3698, 0.2692, 0.4890



41.0478, 0.2218, 0.3185



11.9826, 0.3044, 0.3398



26.9808, 0.2679, 0.4844



1.2920, 0.2580, 0.4488

Inverse Universe

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



12.6089, 0.5152, 0.2612



22.5324, 0.5187, 0.2631



12.0133, 0.6378, 0.3317



10.7162, 0.3219, 0.3185



8.3096, 0.5121, 0.2595



0.4080, 0.4621, 0.2319

Previews

White Background



This preview shows how the Yxy color 40.9940, 0.2685, 0.4866 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 40.9940, 0.2685, 0.4866 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 40.9940, 0.2685, 0.4866

Background



This preview shows how black text looks on a background with the Yxy color 40.9940, 0.2685, 0.4866.



This preview shows how white text looks on a background with the Yxy color 40.9940, 0.2685, 0.4866.

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

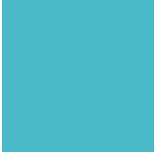
40.9940, 0.2685, 0.4866

Protanopia

40.1773, 0.3926, 0.4260

Deuteranopia

40.2696, 0.3982, 0.3902



Tritanopia

40.7907, 0.2321, 0.3062

Trichromacy



Original Color

40.9940, 0.2685, 0.4866



Protanomaly

37.5040, 0.3207, 0.4577



Deuteranomaly

36.5756, 0.3231, 0.4304



Tritanomaly

40.2213, 0.2421, 0.3666

Monochromacy



Original Color

40.9940, 0.2685, 0.4866



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.8879, 0.2759, 0.3930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9940, 0.2685, 0.4866 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 107) }
```

Border

The CSS property to change the border of an element to Yxy 40.9940, 0.2685, 0.4866 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, 107) }
```

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

```
.border{ border-color:rgb(0, 197, 107) }
```

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, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9940, 0.2685, 0.4866 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, 107) }
```

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

```
.background{ background-color: rgb(0, 197,  
107) }
```

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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