

Converting Colors

$Yxy(41.4974, 0.2775, 0.4739)$

Have a look what the booklet for
Yxy(41.4974, 0.2775, 0.4739)
contains.

Yxy(41.4974, 0.2775, 0.4739)	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(41.4974, 0.2775, 0.4739)

Conversions

Conversions Part 1

Format	Color
Hex	39C46F
RGB	57, 196, 111
RGB Percent	22%, 77%, 44%
CMY	0.7762, 0.2314, 0.5647
CMYK	0.71, 0.00, 0.43, 0.23
HSL	143°, 55%, 50%
HSV	143°, 71%, 77%
XYZ	24.2995, 41.4974, 21.7688
YIQ	144.7490, -55.5590, -55.9030

Conversions

Conversions Part 2

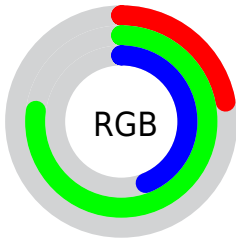
Format	Color
RYB	57, 157, 196
Decimal	3785839
CIELab	70.52, -55.61, 32.23
CIELCh	71, 64.271, 149.902
Yxy	41.4974, 0.2775, 0.4739
Android (android.graphics.Color)	4281975919 (0xFF39C46F)
YUV	144.7490, -16.6383, -76.9559
Hunter-Lab	64.4185, -45.3998, 25.0572

Details

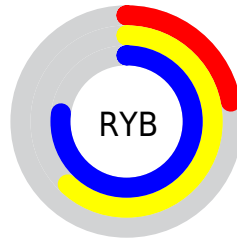
The Yxy color **41.4974, 0.2775, 0.4739** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **16.6237, 0.3987, 0.2276**, and the grayscale version is **28.3024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7015, 0.2861, 0.4431**, and **19.3976, 0.2768, 0.5166** is the 20% darker color. If you saturate the color by 10%, you get **40.7826, 0.2776, 0.4971**, and if you desaturate by 10%, it is **42.4734, 0.2792, 0.4501**.

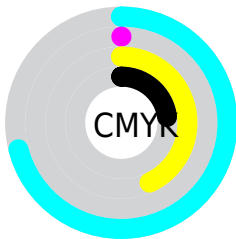
Distribution



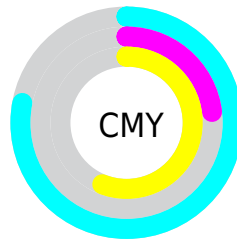
- Red (22%)
- Green (77%)
- Blue (44%)



- Red (22%)
- Yellow (62%)
- Blue (77%)



- Cyan (71%)
- Magenta (0%)
- Yellow (43%)
- Black (23%)



- Cyan (78%)
- Magenta (23%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4974, 0.2775, 0.4739 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 41.4974, 0.2775, 0.4739 by changing the saturation by 10% instead.

 41.4974, 0.2775,
0.4739

 41.4974, 0.2775,
0.4739


352.3952, 0.2986,
0.3944

 28.7079, 0.2709,
0.4960


 77.4384, 0.2861,
0.4433


 18.8600, 0.2617,
0.5256


 101.3587, 0.2890,
0.4324


 11.5692, 0.2478,
0.5671


 129.7581, 0.2914,
0.4233

 6.4510, 0.2254,
0.6282

 163.0210, 0.2933,
0.4157

 3.1212, 0.1936,
0.7532

 201.5318, 0.2950,
0.4092

 1.1953, 0.0000,
1.0000

245.6748, 0.2964,

 0.0579, 0.0000,

0.4036

1.0000

295.8345, 0.2975,
0.3987

■ 0.0000, 0.0000,
0.0000

■ 41.4974, 0.2775,
0.4739

■ 41.4974, 0.2775,
0.4739

■ 40.7826, 0.2776,
0.4971

■ 42.4734, 0.2792,
0.4501

■ 40.2952, 0.2795,
0.5189

■ 43.7297, 0.2825,
0.4265

■ 40.0024, 0.2825,
0.5368

■ 45.2893, 0.2871,
0.4039

■ 47.1714, 0.2927,
0.3828

■ 49.3935, 0.2989,
0.3634

■ 51.9719, 0.3054,
0.3459

■ 54.9218, 0.3121,
0.3303

■ 58.2574, 0.3188,
0.3165

■ 61.9924, 0.3253,
0.3043

Harmonies

Analogous

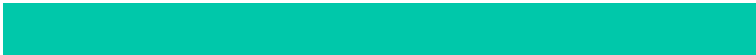
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.4974, 0.3641, 0.5016



41.4974, 0.2775, 0.4739



41.4974, 0.2053, 0.3809

Triad

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



41.4974, 0.2775, 0.4739



41.4974, 0.1848, 0.1946



41.4974, 0.4859, 0.3367

Complementary

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



41.4974, 0.2775, 0.4739



16.6237, 0.3987, 0.2276

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.



41.4974, 0.4227, 0.2760



41.4974, 0.2775, 0.4739



41.4974, 0.2416, 0.1985

Square

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



41.4974, 0.2775, 0.4739



41.4974, 0.1596, 0.2202



41.4974, 0.3277, 0.2273



41.4974, 0.4900, 0.4020

Rectangle

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



41.4974, 0.2775, 0.4739



41.4974, 0.1747, 0.3124



41.4974, 0.3277, 0.2273



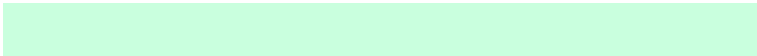
41.4974, 0.4708, 0.3157

Sweetspot

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



41.4991, 0.2775, 0.4739



89.2867, 0.2986, 0.3643



45.5922, 0.3595, 0.5160



18.8574, 0.2968, 0.3695



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.



41.4991, 0.2775, 0.4739



73.3518, 0.2784, 0.5092



43.6380, 0.2406, 0.3542



11.3221, 0.3064, 0.3434



25.7194, 0.2817, 0.5342



1.1248, 0.2689, 0.4879

Inverse Universe

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



16.6237, 0.3987, 0.2276



25.5969, 0.4260, 0.2213



15.1535, 0.5243, 0.3122



10.1791, 0.3196, 0.3150



8.4279, 0.4476, 0.2239



0.3773, 0.4122, 0.2044

Previews

White Background



This preview shows how the Yxy color 41.4974, 0.2775, 0.4739 looks on a white background.

Color Contrast Check

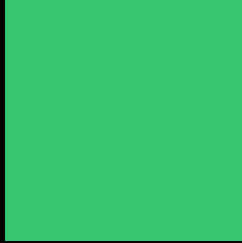
Large Text (above 18pt) WCAG AA × Fail

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 41.4974, 0.2775, 0.4739 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 41.4974, 0.2775, 0.4739

Background



This preview shows how black text looks on a background with the Yxy color 41.4974, 0.2775, 0.4739.



This preview shows how white text looks on a background with the Yxy color 41.4974, 0.2775, 0.4739.

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

41.4974, 0.2775, 0.4739

Protanopia

40.6499, 0.3879, 0.4210

Deuteranopia

40.7202, 0.3940, 0.3865



Tritanopia

41.5085, 0.2387, 0.3066

Trichromacy



Original Color

41.4974, 0.2775, 0.4739



Protanomaly

39.2379, 0.3362, 0.4444



Deuteranomaly

38.8909, 0.3391, 0.4195



Tritanomaly

41.2738, 0.2524, 0.3640

Monochromacy



Original Color

41.4974, 0.2775, 0.4739



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.7551, 0.2926, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4974, 0.2775, 0.4739 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(57, 196, 111)` looks like.

```
.text, #text, p{  
    color:rgb(57, 196, 111)  
}
```

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(57, 196, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 196, 111) }
```

Border

The CSS property to change the border of an element to Yxy 41.4974, 0.2775, 0.4739 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(57, 196, 111) }
```

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

```
.border{ border-color:rgb(57, 196, 111) }
```

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

Here you see how a box with a 4 pixel rgb(57, 196, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 196, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 196, 111);  
box-shadow:4px 4px 4px 4px rgb(57, 196,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4974, 0.2775, 0.4739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 196, 111) }
```

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

```
.background{ background-color: rgb(57, 196,  
111) }
```

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