

Converting Colors

$Yxy(43.6003, 0.2774, 0.4462)$

Have a look what the booklet for
Yxy(43.6003, 0.2774, 0.4462)
contains.

Yxy(43.4983, 0.2774, 0.4455)	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(43.4983, 0.2774, 0.4455)

Conversions

Conversions Part 1

Format	Color
Hex	4DC67F
RGB	77, 198, 127
RGB Percent	30%, 78%, 50%
CMY	0.6981, 0.2235, 0.5019
CMYK	0.61, 0.00, 0.36, 0.22
HSL	145°, 51%, 54%
HSV	145°, 61%, 78%
XYZ	27.0851, 43.4983, 27.0558
YIQ	153.7270, -49.3250, -47.7330

Conversions

Conversions Part 2

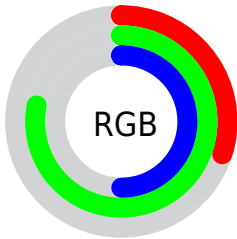
Format	Color
RYB	77, 163, 198
Decimal	5097087
CIELab	71.89, -49.82, 25.80
CIELCh	72, 56.100, 152.619
Yxy	43.4983, 0.2774, 0.4455
Android (android.graphics.Color)	4283287167 (0xFF4DC67F)
YUV	153.7270, -13.1764, -67.2896
Hunter-Lab	65.9532, -42.1133, 21.8449

Details

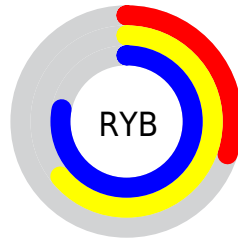
The Yxy color **43.4983, 0.2774, 0.4455** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **19.4473, 0.3870, 0.2406**, and the grayscale version is **32.2628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1337, 0.2855, 0.4212**, and **20.1807, 0.2679, 0.4843** is the 20% darker color. If you saturate the color by 10%, you get **42.5127, 0.2756, 0.4684**, and if you desaturate by 10%, it is **44.7729, 0.2809, 0.4229**.

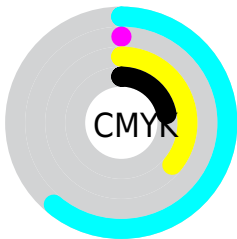
Distribution



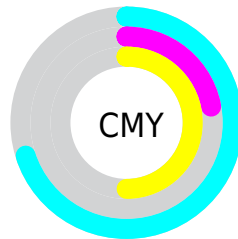
- Red (30%)
- Green (78%)
- Blue (50%)



- Red (30%)
- Yellow (64%)
- Blue (78%)



- Cyan (61%)
- Magenta (0%)
- Yellow (36%)
- Black (22%)




- Cyan (70%)
- Magenta (22%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4983, 0.2774, 0.4455 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 43.4983, 0.2774, 0.4455 by changing the saturation by 10% instead.


 43.4983, 0.2774,
0.4455


 43.4983, 0.2774,
0.4455


360.6570, 0.2973,
0.3826


 30.2763, 0.2716,
0.4627


 80.4623, 0.2852,
0.4215

 20.0484, 0.2637,
0.4857


 104.9730, 0.2880,
0.4129

 12.4302, 0.2523,
0.5178


 134.0155, 0.2902,
0.4057

 7.0374, 0.2346,
0.5653

 167.9740, 0.2921,
0.3996

 3.4855, 0.2047,
0.6416

207.2330, 0.2937,
0.3944

 1.3901, 0.0247,
0.9753

252.1770, 0.2951,

 0.2094, 0.0000,

0.3900

1.0000

303.1902, 0.2963,
0.3861

■ 0.0000, 0.0000,
0.0000

■ 43.4983, 0.2774,
0.4455

■ 43.4983, 0.2774,
0.4455

■ 42.5127, 0.2756,
0.4684

■ 44.7729, 0.2809,
0.4229

■ 41.7861, 0.2756,
0.4909

■ 46.3530, 0.2857,
0.4013

■ 41.2909, 0.2775,
0.5121

■ 48.2599, 0.2915,
0.3810

■ 40.9978, 0.2804,
0.5294

■ 50.5114, 0.2980,
0.3624

■ 53.1242, 0.3049,
0.3456

■ 56.1137, 0.3119,
0.3306

■ 59.4944, 0.3190,
0.3173

■ 63.2802, 0.3259,
0.3056

■ 67.4501, 0.3325,
0.2953

Harmonies

Analogous

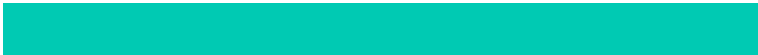
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.4983, 0.3534, 0.4772



43.4983, 0.2774, 0.4455



43.4983, 0.2151, 0.3659

Triad

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



43.4983, 0.2774, 0.4455



43.4983, 0.2034, 0.2097



43.4983, 0.4646, 0.3436

Complementary

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



43.4983, 0.2774, 0.4455



19.4473, 0.3870, 0.2406

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.



43.4983, 0.4141, 0.2880



43.4983, 0.2774, 0.4455



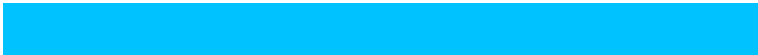
43.4983, 0.2571, 0.2148

Square

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



43.4983, 0.2774, 0.4455



43.4983, 0.1779, 0.2313



43.4983, 0.3340, 0.2426



43.4983, 0.4656, 0.4020

Rectangle

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



43.4983, 0.2774, 0.4455



43.4983, 0.1891, 0.3091



43.4983, 0.3340, 0.2426



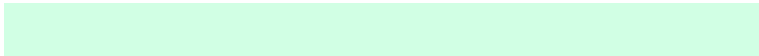
43.4983, 0.4528, 0.3244

Sweetspot

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



43.5001, 0.2774, 0.4455



90.6959, 0.2999, 0.3574



47.3712, 0.3554, 0.4946



19.1351, 0.2979, 0.3626



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.



43.5001, 0.2774, 0.4455



74.8499, 0.2754, 0.4752



45.5080, 0.2449, 0.3471



11.9594, 0.3061, 0.3429



26.6766, 0.2797, 0.5269



1.2775, 0.2679, 0.4846

Inverse Universe

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



19.4473, 0.3870, 0.2406



28.7128, 0.4109, 0.2296



18.0332, 0.4845, 0.3149



10.7395, 0.3200, 0.3155



8.6468, 0.4580, 0.2297



0.4236, 0.4220, 0.2098

Previews

White Background



This preview shows how the Yxy color 43.4983, 0.2774, 0.4455 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 43.4983, 0.2774, 0.4455 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 43.4983, 0.2774, 0.4455

Background



This preview shows how black text looks on a background with the Yxy color 43.4983, 0.2774, 0.4455.



This preview shows how white text looks on a background with the Yxy color 43.4983, 0.2774, 0.4455.

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

43.4983, 0.2774, 0.4455

Protanopia

42.8914, 0.3764, 0.4059

Deuteranopia

42.7056, 0.3791, 0.3723



Tritanopia

43.5215, 0.2432, 0.3071

Trichromacy



Original Color

43.4983, 0.2774, 0.4455



Protanomaly

41.6370, 0.3317, 0.4214



Deuteranomaly

41.1480, 0.3329, 0.3992



Tritanomaly

43.1092, 0.2550, 0.3535

Monochromacy



Original Color

43.4983, 0.2774, 0.4455



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

35.1987, 0.2951, 0.3708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4983, 0.2774, 0.4455 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(77, 198, 127)` looks like.

```
.text, #text, p{  
    color:rgb(77, 198, 127)  
}
```

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(77, 198, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 198, 127) }
```

Border

The CSS property to change the border of an element to Yxy 43.4983, 0.2774, 0.4455 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(77, 198, 127) }
```

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

```
.border{ border-color:rgb(77, 198, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 198, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 198, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 198, 127);  
box-shadow:4px 4px 4px 4px rgb(77, 198,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4983, 0.2774, 0.4455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 198, 127) }
```

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

```
.background{ background-color: rgb(77, 198,  
127) }
```

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