

Converting Colors

$Yxy(44.0725, 0.2764, 0.4390)$

Have a look what the booklet for
Yxy(44.0725, 0.2764, 0.4390)
contains.

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Color

Yxy(44.1910, 0.2767, 0.4395)

Conversions

Conversions Part 1

Format	Color
Hex	50C783
RGB	80, 199, 131
RGB Percent	31%, 78%, 51%
CMY	0.6867, 0.2196, 0.4863
CMYK	0.60, 0.00, 0.34, 0.22
HSL	146°, 52%, 55%
HSV	146°, 60%, 78%
XYZ	27.8217, 44.1910, 28.5356
YIQ	155.6670, -49.0960, -46.3760

Conversions

Conversions Part 2

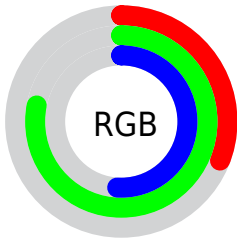
Format	Color
RYB	80, 163, 199
Decimal	5293955
CIELab	72.36, -48.86, 24.35
CIElCh	72, 54.591, 153.511
Yxy	44.1910, 0.2767, 0.4395
Android (android.graphics.Color)	4283484035 (0xFF50C783)
YUV	155.6670, -12.1608, -66.3600
Hunter-Lab	66.4763, -41.6276, 21.0826

Details

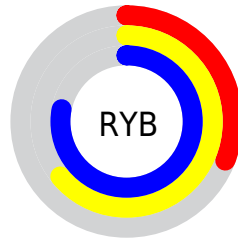
The Yxy color **44.1910, 0.2767, 0.4395** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **20.0014, 0.3876, 0.2441**, and the grayscale version is **33.1500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4697, 0.2845, 0.4158**, and **20.5406, 0.2656, 0.4761** is the 20% darker color. If you saturate the color by 10%, you get **43.1609, 0.2746, 0.4619**, and if you desaturate by 10%, it is **45.5149, 0.2805, 0.4176**.

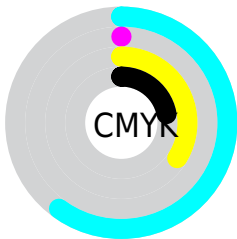
Distribution



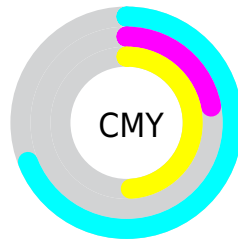
- Red (31%)
- Green (78%)
- Blue (51%)



- Red (31%)
- Yellow (64%)
- Blue (78%)



- Cyan (60%)
- Magenta (0%)
- Yellow (34%)
- Black (22%)





- Cyan (69%)
- Magenta (22%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.1910, 0.2767, 0.4395 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 44.1910, 0.2767, 0.4395 by changing the saturation by 10% instead.


 44.1910, 0.2767,
0.4395


 44.1910, 0.2767,
0.4395


363.4871, 0.2967,
0.3801

 30.8207, 0.2710,
0.4557


 81.5051, 0.2845,
0.4169

 20.4624, 0.2633,
0.4772


 106.2176, 0.2872,
0.4088

 12.7316, 0.2522,
0.5072


 135.4797, 0.2895,
0.4020

 7.2440, 0.2353,
0.5516

 169.6758, 0.2914,
0.3962

 3.6151, 0.2068,
0.6223

209.1901, 0.2930,
0.3913

 1.4607, 0.0685,
0.9315

254.4072, 0.2944,

 0.2608, 0.0000,

0.3871

1.0000

305.7114, 0.2956,
0.3834

■ 0.0000, 0.0000,
0.0000

■ 44.1910, 0.2767,
0.4395

■ 44.1910, 0.2767,
0.4395

■ 43.1609, 0.2746,
0.4619

■ 45.5149, 0.2805,
0.4176

■ 42.3947, 0.2743,
0.4839

■ 47.1487, 0.2856,
0.3967

■ 41.8653, 0.2759,
0.5050

■ 49.1138, 0.2916,
0.3772

■ 41.5196, 0.2790,
0.5244

■ 51.4280, 0.2984,
0.3593

■ 41.5151, 0.2791,
0.5247

■ 54.1079, 0.3055,
0.3432

■ 57.1688, 0.3128,
0.3288

■ 60.6254, 0.3201,
0.3161

■ 64.4914, 0.3272,
0.3048

■ 68.0117, 0.3311,
0.2947

Harmonies

Analogous

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



44.1910, 0.3505, 0.4722



44.1910, 0.2767, 0.4395



44.1910, 0.2167, 0.3623

Triad

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



44.1910, 0.2767, 0.4395



44.1910, 0.2076, 0.2127



44.1910, 0.4606, 0.3454

Complementary

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



44.1910, 0.2767, 0.4395



20.0014, 0.3876, 0.2441

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.



44.1910, 0.4129, 0.2908



44.1910, 0.2767, 0.4395



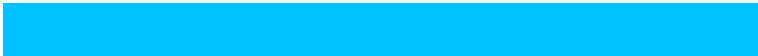
44.1910, 0.2608, 0.2183

Square

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



44.1910, 0.2767, 0.4395



44.1910, 0.1818, 0.2332



44.1910, 0.3359, 0.2461



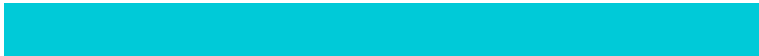
44.1910, 0.4605, 0.4023

Rectangle

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



44.1910, 0.2767, 0.4395



44.1910, 0.1917, 0.3078



44.1910, 0.3359, 0.2461



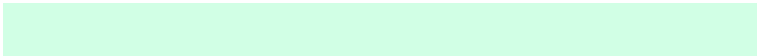
44.1910, 0.4496, 0.3266

Sweetspot

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



44.1928, 0.2767, 0.4395



90.7354, 0.2995, 0.3567



47.8563, 0.3533, 0.4924



19.1447, 0.2974, 0.3617



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.



44.1928, 0.2767, 0.4395



75.0822, 0.2743, 0.4690



46.2320, 0.2447, 0.3436



11.9622, 0.3059, 0.3425



26.7079, 0.2784, 0.5222



1.2791, 0.2668, 0.4804

Inverse Universe

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



20.0014, 0.3876, 0.2441



28.9613, 0.4130, 0.2328



18.6013, 0.4822, 0.3175



10.7367, 0.3202, 0.3159



8.6012, 0.4644, 0.2332



0.4216, 0.4266, 0.2124

Previews

White Background



This preview shows how the Yxy color 44.1910, 0.2767, 0.4395 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 44.1910, 0.2767, 0.4395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

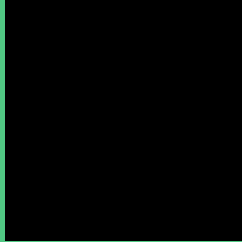
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.1910, 0.2767, 0.4395

Background



This preview shows how black text looks on a background with the Yxy color 44.1910, 0.2767, 0.4395.



This preview shows how white text looks on a background with the Yxy color 44.1910, 0.2767, 0.4395.

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

44.1910, 0.2767, 0.4395

Protanopia

43.3783, 0.3726, 0.4019

Deuteranopia

43.3327, 0.3760, 0.3684



Tritanopia

44.1183, 0.2440, 0.3073

Trichromacy



Original Color

44.1910, 0.2767, 0.4395



Protanomaly

42.2457, 0.3294, 0.4164



Deuteranomaly

41.8654, 0.3314, 0.3942



Tritanomaly

43.7872, 0.2556, 0.3517

Monochromacy



Original Color

44.1910, 0.2767, 0.4395



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

36.2008, 0.2945, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1910, 0.2767, 0.4395 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(80, 199, 131)` looks like.

```
.text, #text, p{  
    color:rgb(80, 199, 131)  
}
```

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(80, 199, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 199, 131) }
```

Border

The CSS property to change the border of an element to Yxy 44.1910, 0.2767, 0.4395 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(80, 199, 131) }
```

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

```
.border{ border-color:rgb(80, 199, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 199, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 199, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 199, 131);  
box-shadow:4px 4px 4px 4px rgb(80, 199,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1910, 0.2767, 0.4395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 199, 131) }
```

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

```
.background{ background-color: rgb(80, 199,  
131) }
```

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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