

Converting Colors

$Yxy(43.5309, 0.2763, 0.4537)$

Have a look what the booklet for
Yxy(43.5309, 0.2763, 0.4537)
contains.

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Color

Yxy(43.5790, 0.2767, 0.4546)

Conversions

Conversions Part 1

Format	Color
Hex	46C77B
RGB	70, 199, 123
RGB Percent	27%, 78%, 48%
CMY	0.7255, 0.2196, 0.5176
CMYK	0.65, 0.00, 0.38, 0.22
HSL	145°, 54%, 53%
HSV	145°, 65%, 78%
XYZ	26.5251, 43.5790, 25.7582
YIQ	151.7650, -52.4880, -50.9840

Conversions

Conversions Part 2

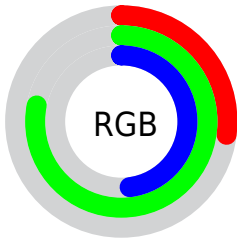
Format	Color
RYB	70, 161, 199
Decimal	4638587
CIELab	71.95, -52.33, 27.94
CIELCh	72, 59.323, 151.905
Yxy	43.5790, 0.2767, 0.4546
Android (android.graphics.Color)	4282828667 (0xFF46C77B)
YUV	151.7650, -14.1811, -71.7079
Hunter-Lab	66.0144, -43.8025, 23.0757

Details

The Yxy color **43.5790, 0.2767, 0.4546** 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 **18.5976, 0.3931, 0.2364**, and the grayscale version is **31.3733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4799, 0.2846, 0.4272**, and **20.4276, 0.2709, 0.4951** is the 20% darker color. If you saturate the color by 10%, you get **42.6831, 0.2756, 0.4776**, and if you desaturate by 10%, it is **44.7588, 0.2796, 0.4317**.

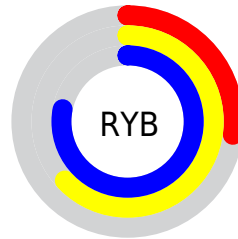
Distribution



Red (27%)

Green (78%)

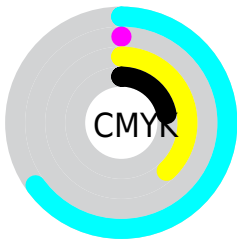
Blue (48%)



Red (27%)

Yellow (63%)

Blue (78%)

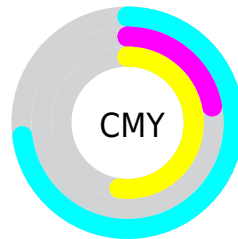


Cyan (65%)

Magenta (0%)

Yellow (38%)

Black (22%)



Cyan (73%)


Magenta (22%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.5790, 0.2767, 0.4546 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 43.5790, 0.2767, 0.4546 by changing the saturation by 10% instead.

 43.5790, 0.2767,
0.4546


 43.5790, 0.2767,
0.4546


360.9875, 0.2973,
0.3866


 30.3397, 0.2707,
0.4732


 80.5839, 0.2848,
0.4287


 20.0966, 0.2623,
0.4982


 105.1182, 0.2877,
0.4193


 12.4652, 0.2502,
0.5329


 134.1863, 0.2900,
0.4115

 7.0614, 0.2312,
0.5842

 168.1726, 0.2920,
0.4050

 3.5005, 0.1997,
0.6682

 207.4615, 0.2936,
0.3994

 1.3983, 0.0000,
1.0000

252.4373, 0.2950,

 0.2155, 0.0000,

0.3945

1.0000

303.4845, 0.2962,
0.3903

■ 0.0000, 0.0000,
0.0000

■ 43.5790, 0.2767,
0.4546

■ 43.5790, 0.2767,
0.4546

■ 42.6831, 0.2756,
0.4776

■ 44.7588, 0.2796,
0.4317

■ 42.0391, 0.2763,
0.4997

■ 46.2401, 0.2839,
0.4095

■ 41.6168, 0.2789,
0.5203

■ 48.0453, 0.2893,
0.3886

■ 41.4541, 0.2806,
0.5302

■ 50.1930, 0.2956,
0.3693

■ 52.7007, 0.3023,
0.3517

■ 55.5841, 0.3093,
0.3360

■ 58.8586, 0.3164,
0.3220

■ 62.5382, 0.3233,
0.3096

■ 66.6366, 0.3301,
0.2988

Harmonies

Analogous

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



43.5790, 0.3565, 0.4859



43.5790, 0.2767, 0.4546



43.5790, 0.2111, 0.3700

Triad

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



43.5790, 0.2767, 0.4546



43.5790, 0.1972, 0.2042



43.5790, 0.4724, 0.3418

Complementary

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



43.5790, 0.2767, 0.4546



18.5976, 0.3931, 0.2364

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.



43.5790, 0.4180, 0.2844



43.5790, 0.2767, 0.4546



43.5790, 0.2524, 0.2092

Square

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



43.5790, 0.2767, 0.4546



43.5790, 0.1715, 0.2270



43.5790, 0.3328, 0.2376



43.5790, 0.4740, 0.4029

Rectangle

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



43.5790, 0.2767, 0.4546



43.5790, 0.1837, 0.3094



43.5790, 0.3328, 0.2376



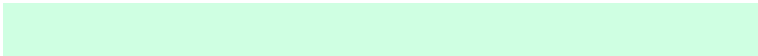
43.5790, 0.4596, 0.3220

Sweetspot

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



43.5808, 0.2767, 0.4546



90.2371, 0.2993, 0.3593



47.5306, 0.3564, 0.5037



19.0454, 0.2973, 0.3645



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.



43.5808, 0.2767, 0.4546



74.1942, 0.2757, 0.4873



45.6997, 0.2426, 0.3484



11.9590, 0.3061, 0.3429



26.6716, 0.2799, 0.5277



1.2772, 0.2681, 0.4853

Inverse Universe

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



18.5976, 0.3931, 0.2364



27.1250, 0.4199, 0.2268



17.1458, 0.5011, 0.3147



10.7400, 0.3199, 0.3155



8.6545, 0.4570, 0.2291



0.4239, 0.4212, 0.2094

Previews

White Background



This preview shows how the Yxy color 43.5790, 0.2767, 0.4546 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 43.5790, 0.2767, 0.4546 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 43.5790, 0.2767, 0.4546

Background



This preview shows how black text looks on a background with the Yxy color 43.5790, 0.2767, 0.4546.



This preview shows how white text looks on a background with the Yxy color 43.5790, 0.2767, 0.4546.

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

43.5790, 0.2767, 0.4546

Protanopia

42.7993, 0.3797, 0.4110

Deuteranopia

42.7388, 0.3838, 0.3772



Tritanopia

43.3444, 0.2408, 0.3056

Trichromacy



Original Color

43.5790, 0.2767, 0.4546



Protanomaly

41.6763, 0.3318, 0.4294



Deuteranomaly

40.9406, 0.3352, 0.4054



Tritanomaly

43.2613, 0.2534, 0.3567

Monochromacy



Original Color

43.5790, 0.2767, 0.4546



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.4366, 0.2941, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5790, 0.2767, 0.4546 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(70, 199, 123)` looks like.

```
.text, #text, p{  
    color:rgb(70, 199, 123)  
}
```

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(70, 199, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 199, 123) }
```

Border

The CSS property to change the border of an element to Yxy 43.5790, 0.2767, 0.4546 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(70, 199, 123) }
```

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

```
.border{ border-color:rgb(70, 199, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 199, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 199, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 199, 123);  
box-shadow:4px 4px 4px 4px rgb(70, 199,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5790, 0.2767, 0.4546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 199, 123) }
```

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

```
.background{ background-color: rgb(70, 199,  
123) }
```

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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