

Converting Colors

$Yxy(45.4730, 0.2704, 0.4218)$

Have a look what the booklet for
Yxy(45.4730, 0.2704, 0.4218)
contains.

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Color

Yxy(45.4619, 0.2703, 0.4216)

Conversions

Conversions Part 1

Format	Color
Hex	50C98F
RGB	80, 201, 143
RGB Percent	31%, 79%, 56%
CMY	0.6866, 0.2117, 0.4392
CMYK	0.60, 0.00, 0.29, 0.21
HSL	151°, 53%, 55%
HSV	151°, 60%, 79%
XYZ	29.1469, 45.4619, 33.2230
YIQ	158.2090, -53.4980, -43.6900

Conversions

Conversions Part 2

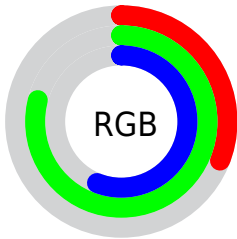
Format	Color
RYB	80, 160, 201
Decimal	5294479
CIELab	73.20, -47.29, 19.14
CIElCh	73, 51.013, 157.964
Yxy	45.4619, 0.2703, 0.4216
Android (android.graphics.Color)	4283484559 (0xFF50C98F)
YUV	158.2090, -7.4980, -68.5893
Hunter-Lab	67.4254, -40.8318, 17.9835

Details

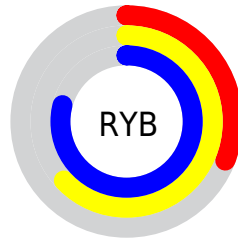
The Yxy color **45.4619, 0.2703, 0.4216** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **19.9770, 0.4057, 0.2570**, and the grayscale version is **34.3353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0402, 0.2782, 0.3992**, and **21.3305, 0.2590, 0.4525** is the 20% darker color. If you saturate the color by 10%, you get **44.4374, 0.2676, 0.4403**, and if you desaturate by 10%, it is **46.7767, 0.2748, 0.4034**.

Distribution



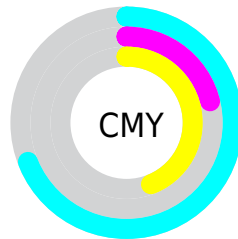
- Red (31%)
- Green (79%)
- Blue (56%)



- Red (31%)
- Yellow (63%)
- Blue (79%)



- Cyan (60%)
- Magenta (0%)
- Yellow (29%)
- Black (21%)




- Cyan (69%)
- Magenta (21%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4619, 0.2703, 0.4216 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 45.4619, 0.2703, 0.4216 by changing the saturation by 10% instead.


 45.4619, 0.2703,
0.4216


 45.4619, 0.2703,
0.4216


368.6411, 0.2929,
0.3724


 31.8214, 0.2642,
0.4348


 83.4131, 0.2788,
0.4030


 21.2251, 0.2562,
0.4524

 108.4926, 0.2819,
0.3963

 13.2887, 0.2450,
0.4767


 138.1539, 0.2845,
0.3906

 7.6276, 0.2285,
0.5124

 172.7814, 0.2867,
0.3859

 3.8576, 0.2021,
0.5695

212.7594, 0.2886,
0.3818

 1.5942, 0.1125,
0.7662

258.4725, 0.2902,

 0.3537, 0.0000,

0.3782

1.0000

310.3049, 0.2916,
0.3752

■ 0.0000, 0.0000,
0.0000

■ 45.4619, 0.2703,
0.4216

■ 45.4619, 0.2703,
0.4216

■ 44.4374, 0.2676,
0.4403

■ 46.7767, 0.2748,
0.4034

■ 43.6728, 0.2668,
0.4591

■ 48.3981, 0.2807,
0.3860

■ 43.1409, 0.2680,
0.4775

■ 50.3476, 0.2877,
0.3698

■ 42.7929, 0.2707,
0.4946

■ 52.6430, 0.2956,
0.3549

■ 55.3009, 0.3039,
0.3414

■ 58.3369, 0.3125,
0.3293

■ 61.7655, 0.3211,
0.3185

■ 65.6006, 0.3297,
0.3090

■ 68.7335, 0.3335,
0.3002

Harmonies

Analogous

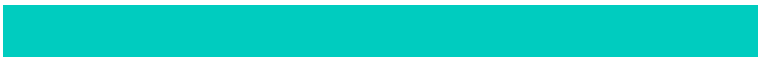
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.4619, 0.3385, 0.4598



45.4619, 0.2703, 0.4216



45.4619, 0.2171, 0.3486

Triad

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



45.4619, 0.2703, 0.4216



45.4619, 0.2203, 0.2194



45.4619, 0.4527, 0.3533

Complementary

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



45.4619, 0.2703, 0.4216



19.9770, 0.4057, 0.2570

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.



45.4619, 0.4144, 0.3010



45.4619, 0.2703, 0.4216



45.4619, 0.2740, 0.2279

Square

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



45.4619, 0.2703, 0.4216



45.4619, 0.1919, 0.2353



45.4619, 0.3457, 0.2568



45.4619, 0.4468, 0.4063

Rectangle

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



45.4619, 0.2703, 0.4216



45.4619, 0.1961, 0.2999



45.4619, 0.3457, 0.2568



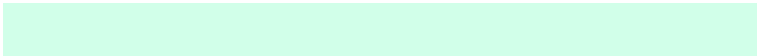
45.4619, 0.4446, 0.3355

Sweetspot

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



45.4637, 0.2703, 0.4216



90.9737, 0.2972, 0.3521



47.7982, 0.3435, 0.4992



19.2026, 0.2948, 0.3563



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.



45.4637, 0.2703, 0.4216



75.6662, 0.2671, 0.4456



46.7634, 0.2388, 0.3258



11.9786, 0.3047, 0.3403



26.9215, 0.2700, 0.4921



1.2893, 0.2597, 0.4550

Inverse Universe

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



19.9770, 0.4057, 0.2570



28.3333, 0.4371, 0.2486



19.0216, 0.4981, 0.3319



10.7202, 0.3216, 0.3180



8.3604, 0.5028, 0.2543



0.4105, 0.4550, 0.2280

Previews

White Background



This preview shows how the Yxy color 45.4619, 0.2703, 0.4216 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 45.4619, 0.2703, 0.4216 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 45.4619, 0.2703, 0.4216

Background



This preview shows how black text looks on a background with the Yxy color 45.4619, 0.2703, 0.4216.



This preview shows how white text looks on a background with the Yxy color 45.4619, 0.2703, 0.4216.

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

45.4619, 0.2703, 0.4216

Protanopia

44.6106, 0.3625, 0.3884

Deuteranopia

44.7968, 0.3647, 0.3581



Tritanopia

45.4607, 0.2423, 0.3075

Trichromacy



Original Color

45.4619, 0.2703, 0.4216



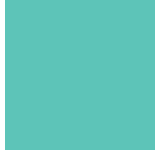
Protanomaly

43.5033, 0.3209, 0.4007



Deuteranomaly

43.4471, 0.3213, 0.3804



Tritanomaly

45.2677, 0.2521, 0.3468

Monochromacy



Original Color

45.4619, 0.2703, 0.4216



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.3178, 0.2917, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4619, 0.2703, 0.4216 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, 201, 143)` looks like.

```
.text, #text, p{  
    color:rgb(80, 201, 143)  
}
```

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, 201, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 201, 143) }
```

Border

The CSS property to change the border of an element to Yxy 45.4619, 0.2703, 0.4216 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, 201, 143) }
```

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

```
.border{ border-color:rgb(80, 201, 143) }
```

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

Here you see how a box with a 4 pixel rgb(80, 201, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 201, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 201, 143);  
box-shadow:4px 4px 4px 4px rgb(80, 201,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4619, 0.2703, 0.4216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 201, 143) }
```

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

```
.background{ background-color: rgb(80, 201,  
143) }
```

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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