

Converting Colors

$Y_{xy}(45.3660, 0.2699, 0.4593)$

Have a look what the booklet for
Yxy(45.3660, 0.2699, 0.4593)
contains.

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Color

Yxy(45.3702, 0.2699, 0.4593)

Conversions

Conversions Part 1

Format	Color
Hex	33CC7D
RGB	51, 204, 125
RGB Percent	20%, 80%, 49%
CMY	0.7998, 0.2000, 0.5098
CMYK	0.75, 0.00, 0.39, 0.20
HSL	149°, 60%, 50%
HSV	149°, 75%, 80%
XYZ	26.6610, 45.3702, 26.7499
YIQ	149.2470, -65.8290, -57.0050

Conversions

Conversions Part 2

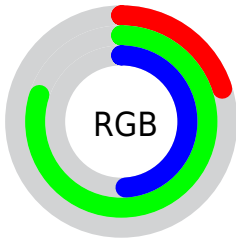
Format	Color
RYB	51, 154, 204
Decimal	3394685
CIELab	73.13, -56.90, 28.42
CIELCh	73, 63.602, 153.459
Yxy	45.3702, 0.2699, 0.4593
Android (android.graphics.Color)	4281584765 (0xFF33CC7D)
YUV	149.2470, -11.9538, -86.1626
Hunter-Lab	67.3574, -47.2226, 23.6041

Details

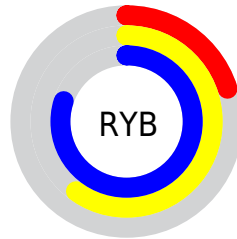
The Yxy color **45.3702, 0.2699, 0.4593** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **16.8235, 0.4319, 0.2412**, and the grayscale version is **30.2433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6563, 0.2784, 0.4260**, and **21.6878, 0.2710, 0.4955** is the 20% darker color. If you saturate the color by 10%, you get **44.6976, 0.2703, 0.4793**, and if you desaturate by 10%, it is **46.3074, 0.2715, 0.4390**.

Distribution



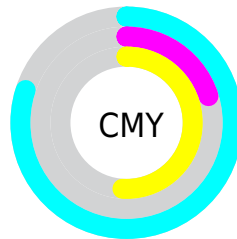
- Red (20%)
- Green (80%)
- Blue (49%)



- Red (20%)
- Yellow (60%)
- Blue (80%)



- Cyan (75%)
- Magenta (0%)
- Yellow (39%)
- Black (20%)





- Cyan (80%)
- Magenta (20%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3702, 0.2699, 0.4593 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 45.3702, 0.2699, 0.4593 by changing the saturation by 10% instead.


 45.3702, 0.2699,
0.4593

 45.3702, 0.2699,
0.4593


368.2708, 0.2939,
0.3890


 31.7491, 0.2630,
0.4785


 83.2757, 0.2793,
0.4326


 21.1699, 0.2537,
0.5040


 108.3288, 0.2826,
0.4229

 13.2483, 0.2403,
0.5394


 137.9615, 0.2853,
0.4148

 7.5997, 0.2198,
0.5913

 172.5580, 0.2876,
0.4081

 3.8399, 0.1862,
0.6732

 212.5028, 0.2895,
0.4023

 1.5844, 0.0000,
1.0000

258.1803, 0.2912,

 0.3471, 0.0000,

0.3972

1.0000

309.9748, 0.2926,
0.3929

■ 0.0000, 0.0000,
0.0000

■ 45.3702, 0.2699,
0.4593

■ 45.3702, 0.2699,
0.4593

■ 44.6976, 0.2703,
0.4793

■ 46.3074, 0.2715,
0.4390

■ 44.2503, 0.2727,
0.4983

■ 47.5317, 0.2748,
0.4189

■ 44.0799, 0.2743,
0.5074

■ 49.0688, 0.2798,
0.3995

■ 50.9403, 0.2860,
0.3813

■ 53.1657, 0.2930,
0.3645

■ 55.7631, 0.3007,
0.3491

■ 58.7490, 0.3087,
0.3353

■ 62.1393, 0.3168,
0.3230

■ 65.9488, 0.3248,
0.3121

Harmonies

Analogous

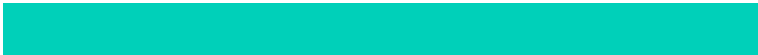
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3702, 0.3533, 0.4953



45.3702, 0.2699, 0.4593



45.3702, 0.2029, 0.3669

Triad

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



45.3702, 0.2699, 0.4593



45.3702, 0.1938, 0.1980



45.3702, 0.4829, 0.3446

Complementary

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



45.3702, 0.2699, 0.4593



16.8235, 0.4319, 0.2412

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.



45.3702, 0.4281, 0.2847



45.3702, 0.2699, 0.4593



45.3702, 0.2528, 0.2047

Square

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



45.3702, 0.2699, 0.4593



45.3702, 0.1657, 0.2195



45.3702, 0.3385, 0.2353



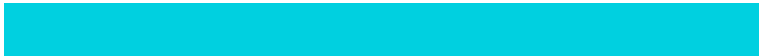
45.3702, 0.4807, 0.4083

Rectangle

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



45.3702, 0.2699, 0.4593



45.3702, 0.1757, 0.3030



45.3702, 0.3385, 0.2353



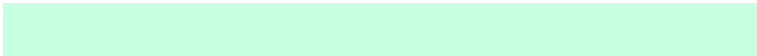
45.3702, 0.4705, 0.3239

Sweetspot

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



45.3720, 0.2699, 0.4593



89.1405, 0.2950, 0.3602



48.1778, 0.3476, 0.5331



18.8404, 0.2930, 0.3646



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.



45.3720, 0.2699, 0.4593



73.5232, 0.2716, 0.4912



48.1300, 0.2318, 0.3325



12.6258, 0.3051, 0.3412



27.7627, 0.2736, 0.5049



1.4476, 0.2634, 0.4682

Inverse Universe

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



16.8235, 0.4319, 0.2412



23.9923, 0.4701, 0.2418



15.4726, 0.5662, 0.3276



11.3088, 0.3211, 0.3171



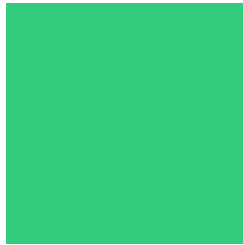
8.7459, 0.4873, 0.2458



0.4665, 0.4461, 0.2231

Previews

White Background



This preview shows how the Yxy color 45.3702, 0.2699, 0.4593 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 45.3702, 0.2699, 0.4593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

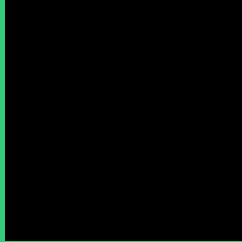
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3702, 0.2699, 0.4593

Background



This preview shows how black text looks on a background with the Yxy color 45.3702, 0.2699, 0.4593.

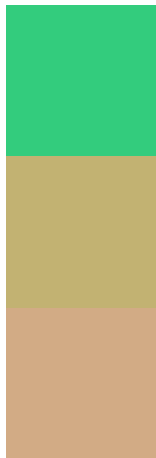


This preview shows how white text looks on a background with the Yxy color 45.3702, 0.2699, 0.4593.

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

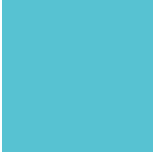
45.3702, 0.2699, 0.4593

Protanopia

44.5250, 0.3813, 0.4120

Deuteranopia

44.5209, 0.3836, 0.3764



Tritanopia

45.2630, 0.2355, 0.3059

Trichromacy



Original Color

45.3702, 0.2699, 0.4593



Protanomaly

42.5994, 0.3270, 0.4327



Deuteranomaly

42.1541, 0.3275, 0.4072



Tritanomaly

45.0987, 0.2473, 0.3580

Monochromacy



Original Color

45.3702, 0.2699, 0.4593



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

33.7801, 0.2875, 0.3775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3702, 0.2699, 0.4593 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(51, 204, 125)` looks like.

```
.text, #text, p{  
    color:rgb(51, 204, 125)  
}
```

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(51, 204, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 204, 125) }
```

Border

The CSS property to change the border of an element to Yxy 45.3702, 0.2699, 0.4593 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(51, 204, 125) }
```

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

```
.border{ border-color:rgb(51, 204, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 204, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 204, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 204, 125);  
box-shadow:4px 4px 4px 4px rgb(51, 204,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3702, 0.2699, 0.4593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 204, 125) }
```

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

```
.background{ background-color: rgb(51, 204,  
125) }
```

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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