

Converting Colors

Yxy(44.4297, 0.2733, 0.4680)

Have a look what the booklet for
Yxy(44.4297, 0.2733, 0.4680)
contains.

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Color

Yxy(44.3299, 0.2731, 0.4672)

Conversions

Conversions Part 1

Format	Color
Hex	35CA77
RGB	53, 202, 119
RGB Percent	21%, 79%, 47%
CMY	0.7927, 0.2078, 0.5334
CMYK	0.74, 0.00, 0.41, 0.21
HSL	147°, 59%, 50%
HSV	147°, 74%, 79%
XYZ	25.9129, 44.3299, 24.6414
YIQ	147.9870, -62.1610, -57.4010

Conversions

Conversions Part 2

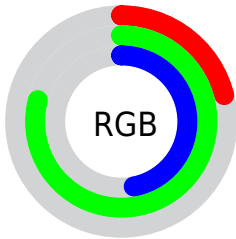
Format	Color
RYB	53, 156, 202
Decimal	3525239
CIELab	72.45, -57.03, 30.62
CIELCh	72, 64.730, 151.771
Yxy	44.3299, 0.2731, 0.4672
Android (android.graphics.Color)	4281715319 (0xFF35CA77)
YUV	147.9870, -14.2906, -83.3036
Hunter-Lab	66.5807, -47.0449, 24.6633

Details

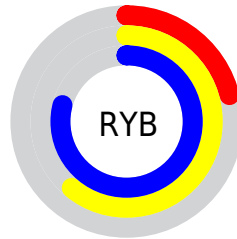
The Yxy color **44.3299, 0.2731, 0.4672** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **16.8665, 0.4184, 0.2347**, and the grayscale version is **29.6737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4916, 0.2816, 0.4338**, and **21.2971, 0.2744, 0.5078** is the 20% darker color. If you saturate the color by 10%, you get **43.6419, 0.2735, 0.4886**, and if you desaturate by 10%, it is **45.2839, 0.2746, 0.4454**.

Distribution



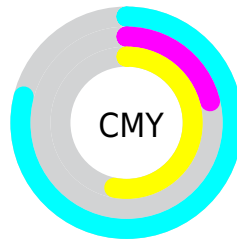
- Red (21%)
- Green (79%)
- Blue (47%)



- Red (21%)
- Yellow (61%)
- Blue (79%)



- Cyan (74%)
- Magenta (0%)
- Yellow (41%)
- Black (21%)




- Cyan (79%)
- Magenta (21%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3299, 0.2731, 0.4672 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 44.3299, 0.2731, 0.4672 by changing the saturation by 10% instead.


 44.3299, 0.2731,
0.4672


 44.3299, 0.2731,
0.4672

364.0528, 0.2959,
0.3923

 30.9299, 0.2664,
0.4877


 81.7139, 0.2821,
0.4386


 20.5455, 0.2570,
0.5151


 106.4668, 0.2853,
0.4283


 12.7922, 0.2435,
0.5533


 135.7728, 0.2879,
0.4197

 7.2856, 0.2223,
0.6091


 170.0162, 0.2900,
0.4125

 3.6414, 0.1884,
0.7025

 209.5816, 0.2918,
0.4063

 1.4750, 0.0000,
1.0000

254.8532, 0.2934,

 0.2711, 0.0000,

0.4010

1.0000

306.2155, 0.2947,
0.3963

■ 0.0000, 0.0000,
0.0000

■ 44.3299, 0.2731,
0.4672

■ 44.3299, 0.2731,
0.4672

■ 43.6419, 0.2735,
0.4886

■ 45.2839, 0.2746,
0.4454

■ 43.1821, 0.2758,
0.5087

■ 46.5254, 0.2779,
0.4237

■ 42.9775, 0.2779,
0.5204

■ 48.0795, 0.2826,
0.4029

■ 49.9673, 0.2885,
0.3834

■ 52.2078, 0.2952,
0.3653

■ 54.8186, 0.3024,
0.3489

■ 57.8160, 0.3098,
0.3342

■ 61.2154, 0.3174,
0.3211

■ 65.0315, 0.3248,
0.3096

Harmonies

Analogous

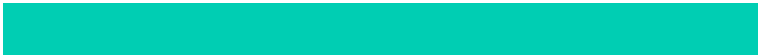
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.3299, 0.3585, 0.4995



44.3299, 0.2731, 0.4672



44.3299, 0.2033, 0.3737

Triad

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



44.3299, 0.2731, 0.4672



44.3299, 0.1889, 0.1956



44.3299, 0.4854, 0.3408

Complementary

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



44.3299, 0.2731, 0.4672



16.8665, 0.4184, 0.2347

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.



44.3299, 0.4264, 0.2803



44.3299, 0.2731, 0.4672



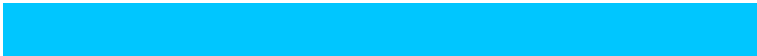
44.3299, 0.2471, 0.2011

Square

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



44.3299, 0.2731, 0.4672



44.3299, 0.1620, 0.2191



44.3299, 0.3336, 0.2310



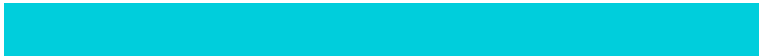
44.3299, 0.4861, 0.4056

Rectangle

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



44.3299, 0.2731, 0.4672



44.3299, 0.1744, 0.3071



44.3299, 0.3336, 0.2310



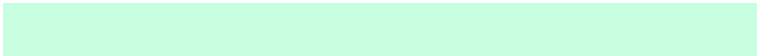
44.3299, 0.4718, 0.3199

Sweetspot

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



44.3317, 0.2731, 0.4672



89.0180, 0.2962, 0.3627



47.8532, 0.3536, 0.5265



18.8116, 0.2943, 0.3674



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.



44.3317, 0.2731, 0.4672



73.3440, 0.2748, 0.5016



46.8087, 0.2358, 0.3438



12.6182, 0.3057, 0.3422



27.6692, 0.2772, 0.5179



1.4426, 0.2665, 0.4794

Inverse Universe

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



16.8665, 0.4184, 0.2347



24.4384, 0.4530, 0.2330



15.4490, 0.5499, 0.3203



11.3165, 0.3204, 0.3162



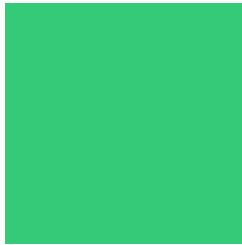
8.8572, 0.4705, 0.2366



0.4721, 0.4335, 0.2162

Previews

White Background



This preview shows how the Yxy color 44.3299, 0.2731, 0.4672 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 44.3299, 0.2731, 0.4672 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 44.3299, 0.2731, 0.4672

Background



This preview shows how black text looks on a background with the Yxy color 44.3299, 0.2731, 0.4672.



This preview shows how white text looks on a background with the Yxy color 44.3299, 0.2731, 0.4672.

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

44.3299, 0.2731, 0.4672

Protanopia

43.3613, 0.3844, 0.4165

Deuteranopia

43.4635, 0.3890, 0.3816



Tritanopia

44.2790, 0.2367, 0.3071

Trichromacy



Original Color

44.3299, 0.2731, 0.4672



Protanomaly

41.5529, 0.3301, 0.4380



Deuteranomaly

41.1784, 0.3326, 0.4136



Tritanomaly

44.0709, 0.2492, 0.3615

Monochromacy



Original Color

44.3299, 0.2731, 0.4672



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.3221, 0.2897, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3299, 0.2731, 0.4672 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(53, 202, 119)` looks like.

```
.text, #text, p{  
    color:rgb(53, 202, 119)  
}
```

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(53, 202, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 202, 119) }
```

Border

The CSS property to change the border of an element to Yxy 44.3299, 0.2731, 0.4672 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(53, 202, 119) }
```

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

```
.border{ border-color:rgb(53, 202, 119) }
```

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

Here you see how a box with a 4 pixel rgb(53, 202, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 202, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 202, 119);  
box-shadow:4px 4px 4px 4px rgb(53, 202,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3299, 0.2731, 0.4672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 202, 119) }
```

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

```
.background{ background-color: rgb(53, 202,  
119) }
```

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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