

Converting Colors

$Yxy(44.4127, 0.2668, 0.4805)$

Have a look what the booklet for
Yxy(44.4127, 0.2668, 0.4805)
contains.

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Color

Yxy(44.4235, 0.2666, 0.4797)

Conversions

Conversions Part 1

Format	Color
Hex	00CC73
RGB	0, 204, 115
RGB Percent	0%, 80%, 45%
CMY	0.9994, 0.2000, 0.5490
CMYK	1.00, 0.00, 0.44, 0.20
HSL	154°, 100%, 40%
HSV	154°, 100%, 80%
XYZ	24.6890, 44.4235, 23.4944
YIQ	132.8580, -93.0150, -70.9270

Conversions

Conversions Part 2

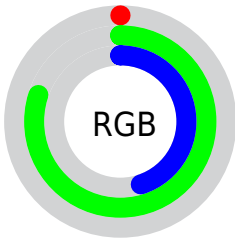
Format	Color
RYB	0, 130, 204
Decimal	52339
CIELab	72.51, -62.49, 32.65
CIELCh	73, 70.500, 152.415
Yxy	44.4235, 0.2666, 0.4797
Android (android.graphics.Color)	4278242419 (0xFF00CC73)
YUV	132.8580, -8.8040, -116.5165
Hunter-Lab	66.6510, -50.5188, 25.7560

Details

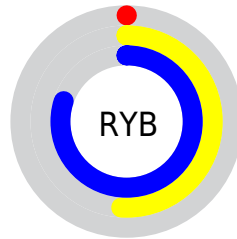
The Yxy color **44.4235, 0.2666, 0.4797** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.5651, 0.5241, 0.2661**, and the grayscale version is **23.4785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1139, 0.2759, 0.4414**, and **21.5615, 0.2771, 0.5176** is the 20% darker color. If you saturate the color by 10%, you get **44.4226, 0.2666, 0.4798**, and if you desaturate by 10%, it is **44.7940, 0.2641, 0.4634**.

Distribution



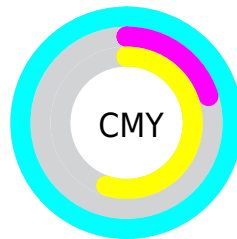
- Red (0%)
- Green (80%)
- Blue (45%)



- Red (0%)
- Yellow (51%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4235, 0.2666, 0.4797 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 44.4235, 0.2666, 0.4797 by changing the saturation by 10% instead.


 44.4235, 0.2666,
0.4797

 44.4235, 0.2666,
0.4797


364.4337, 0.2931,
0.3976


 31.0036, 0.2588,
0.5023


 81.8546, 0.2771,
0.4483

 20.6016, 0.2480,
0.5324


 106.6346, 0.2808,
0.4370


 12.8331, 0.2323,
0.5742


 135.9701, 0.2838,
0.4276

 7.3137, 0.2081,
0.6352

 170.2455, 0.2863,
0.4197

 3.6591, 0.1709,
0.7417

 209.8451, 0.2884,
0.4129

 1.4847, 0.0000,
1.0000

255.1535, 0.2902,

 0.2779, 0.0000,

0.4071

1.0000

306.5548, 0.2918,
0.4021

■ 0.0000, 0.0000,
0.0000

■ 44.4235, 0.2666,
0.4797

■ 44.4235, 0.2666,
0.4797

■ 44.4226, 0.2666,
0.4798

■ 44.7940, 0.2641,
0.4634

■ 45.3455, 0.2632,
0.4466

■ 46.1348, 0.2644,
0.4294

■ 47.1921, 0.2675,
0.4125

■ 48.5428, 0.2724,
0.3960

■ 50.2091, 0.2788,
0.3803

■ 52.2113, 0.2863,
0.3656

■ 54.5678, 0.2947,
0.3521

■ 57.2955, 0.3036,
0.3399

Harmonies

Analogous

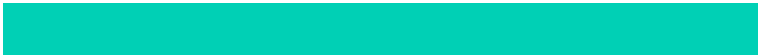
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.4235, 0.3579, 0.5149



44.4235, 0.2666, 0.4797



44.4235, 0.1931, 0.3747

Triad

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



44.4235, 0.2666, 0.4797



44.4235, 0.1811, 0.1861



44.4235, 0.5008, 0.3411

Complementary

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



44.4235, 0.2666, 0.4797



13.5651, 0.5241, 0.2661

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.



44.4235, 0.4381, 0.2773



44.4235, 0.2666, 0.4797



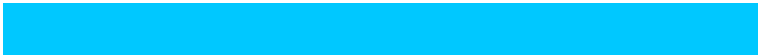
44.4235, 0.2433, 0.1928

Square

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



44.4235, 0.2666, 0.4797



44.4235, 0.1522, 0.2094



44.4235, 0.3370, 0.2249



44.4235, 0.4983, 0.4098

Rectangle

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



44.4235, 0.2666, 0.4797



44.4235, 0.1635, 0.3018



44.4235, 0.3370, 0.2249



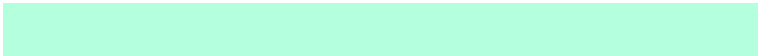
44.4235, 0.4867, 0.3190

Sweetspot

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



44.4253, 0.2666, 0.4797



86.2967, 0.2859, 0.3663



45.4563, 0.3297, 0.5764



18.1554, 0.2826, 0.3724



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.



44.4253, 0.2666, 0.4797



73.5235, 0.2672, 0.4818



42.8595, 0.2204, 0.3133



12.6411, 0.3041, 0.3393



27.9788, 0.2660, 0.4776



1.4585, 0.2571, 0.4455

Inverse Universe

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



13.5651, 0.5241, 0.2661



22.4150, 0.5273, 0.2679



13.0627, 0.6368, 0.3325



11.2937, 0.3223, 0.3189



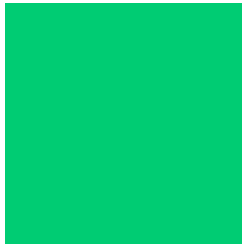
8.5527, 0.5208, 0.2643



0.4564, 0.4721, 0.2374

Previews

White Background



This preview shows how the Yxy color 44.4235, 0.2666, 0.4797 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 44.4235, 0.2666, 0.4797 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 44.4235, 0.2666, 0.4797

Background



This preview shows how black text looks on a background with the Yxy color 44.4235, 0.2666, 0.4797.



This preview shows how white text looks on a background with the Yxy color 44.4235, 0.2666, 0.4797.

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

44.4235, 0.2666, 0.4797

Protanopia

43.4080, 0.3886, 0.4210

Deuteranopia

43.5076, 0.3936, 0.3862



Tritanopia

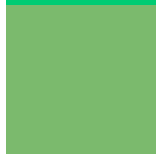
44.2799, 0.2315, 0.3055

Trichromacy



Original Color

44.4235, 0.2666, 0.4797



Protanomaly

40.4329, 0.3176, 0.4508



Deuteranomaly

39.8803, 0.3196, 0.4255



Tritanomaly

43.6560, 0.2409, 0.3637

Monochromacy



Original Color

44.4235, 0.2666, 0.4797



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

28.2339, 0.2754, 0.3906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4235, 0.2666, 0.4797 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(0, 204, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 115)  
}
```

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(0, 204, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 115) }
```

Border

The CSS property to change the border of an element to Yxy 44.4235, 0.2666, 0.4797 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(0, 204, 115) }
```

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

```
.border{ border-color:rgb(0, 204, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4235, 0.2666, 0.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 115) }
```

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

```
.background{ background-color: rgb(0, 204,  
115) }
```

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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