

Converting Colors

$Y_{xy}(49.4226, 0.2696, 0.4906)$

Have a look what the booklet for
Yxy(49.4226, 0.2696, 0.4906)
contains.

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Color

Yxy(49.3080, 0.2698, 0.4911)

Conversions

Conversions Part 1

Format	Color
Hex	01D672
RGB	1, 214, 114
RGB Percent	0%, 84%, 45%
CMY	0.9977, 0.1608, 0.5530
CMYK	1.00, 0.00, 0.47, 0.16
HSL	152°, 99%, 42%
HSV	152°, 100%, 84%
XYZ	27.0888, 49.3080, 24.0064
YIQ	138.9130, -94.8480, -76.2560

Conversions

Conversions Part 2

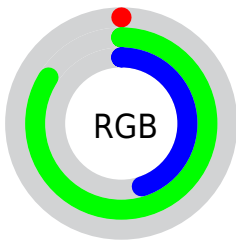
Format	Color
RYB	1, 140, 214
Decimal	120434
CIELab	75.64, -65.97, 37.18
CIELCh	76, 75.724, 150.593
Yxy	49.3080, 0.2698, 0.4911
Android (android.graphics.Color)	4278310514 (0xFF01D672)
YUV	138.9130, -12.2821, -120.9497
Hunter-Lab	70.2197, -54.0241, 28.8839

Details

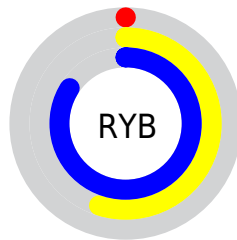
The Yxy color **49.3080, 0.2698, 0.4911** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.2403, 0.5107, 0.2589**, and the grayscale version is **25.8084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3133, 0.2778, 0.4423**, and **24.8239, 0.2803, 0.5290** is the 20% darker color. If you saturate the color by 10%, you get **49.2998, 0.2699, 0.4916**, and if you desaturate by 10%, it is **49.7177, 0.2670, 0.4738**.

Distribution



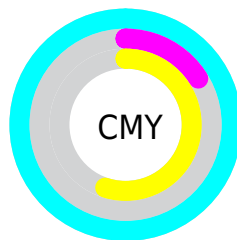
- Red (0%)
- Green (84%)
- Blue (45%)



- Red (0%)
- Yellow (55%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (16%)




- Cyan (100%)
- Magenta (16%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3080, 0.2698, 0.4911 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 49.3080, 0.2698, 0.4911 by changing the saturation by 10% instead.


 49.3080, 0.2698,
0.4911


 49.3080, 0.2698,
0.4911


383.9536, 0.2949,
0.4040


 34.8639, 0.2623,
0.5145


 89.1487, 0.2798,
0.4582


 23.5580, 0.2520,
0.5452


 115.3141, 0.2833,
0.4462


 15.0061, 0.2371,
0.5872


 146.1554, 0.2861,
0.4362

 8.8237, 0.2142,
0.6467

 182.0569, 0.2885,
0.4277

 4.6263, 0.1786,
0.7425

 223.4031, 0.2905,
0.4205

 2.0297, 0.0172,
0.9828

270.5783, 0.2922,

 0.6247, 0.0000,

0.4143

1.0000

323.9670, 0.2936,
0.4088

■ 0.0000, 0.0000,
0.0000

■ 49.3080, 0.2698,
0.4911

■ 49.3080, 0.2698,
0.4911

■ 49.2998, 0.2699,
0.4916

■ 49.7177, 0.2670,
0.4738

■ 50.3362, 0.2659,
0.4558

■ 51.2242, 0.2668,
0.4373

■ 52.4156, 0.2697,
0.4189

■ 53.9393, 0.2743,
0.4011

■ 55.8203, 0.2804,
0.3841

■ 58.0814, 0.2876,
0.3683

■ 60.7434, 0.2957,
0.3537

■ 63.8255, 0.3042,
0.3405

Harmonies

Analogous

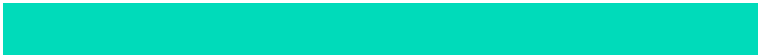
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.3080, 0.3640, 0.5210



49.3080, 0.2698, 0.4911



49.3080, 0.1925, 0.3836

Triad

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



49.3080, 0.2698, 0.4911



49.3080, 0.1745, 0.1825



49.3080, 0.5054, 0.3363

Complementary

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



49.3080, 0.2698, 0.4911



15.2403, 0.5107, 0.2589

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.



49.3080, 0.4370, 0.2716



49.3080, 0.2698, 0.4911



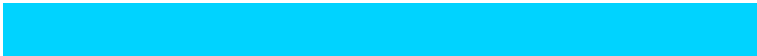
49.3080, 0.2360, 0.1878

Square

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



49.3080, 0.2698, 0.4911



49.3080, 0.1470, 0.2080



49.3080, 0.3310, 0.2191



49.3080, 0.5060, 0.4065

Rectangle

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



49.3080, 0.2698, 0.4911



49.3080, 0.1609, 0.3065



49.3080, 0.3310, 0.2191



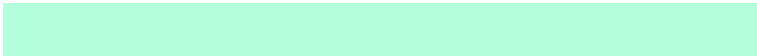
49.3080, 0.4896, 0.3139

Sweetspot

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



49.3100, 0.2698, 0.4911



86.1667, 0.2872, 0.3691



51.0202, 0.3338, 0.5730



18.1246, 0.2840, 0.3758



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.



49.3100, 0.2698, 0.4911



73.2835, 0.2703, 0.4932



51.1694, 0.2233, 0.3236



14.0052, 0.3044, 0.3401



29.8208, 0.2692, 0.4891



1.8153, 0.2608, 0.4589

Inverse Universe

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



15.2403, 0.5107, 0.2589



22.6039, 0.5137, 0.2603



14.3870, 0.6387, 0.3308



12.5167, 0.3218, 0.3181



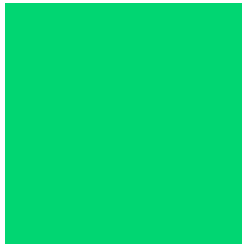
9.2212, 0.5079, 0.2572



0.5728, 0.4673, 0.2348

Previews

White Background



This preview shows how the Yxy color 49.3080, 0.2698, 0.4911 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 49.3080, 0.2698, 0.4911 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 49.3080, 0.2698, 0.4911

Background



This preview shows how black text looks on a background with the Yxy color 49.3080, 0.2698, 0.4911.



This preview shows how white text looks on a background with the Yxy color 49.3080, 0.2698, 0.4911.

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

49.3145, 0.2698, 0.4911

Protanopia

48.3737, 0.3945, 0.4295

Deuteranopia

48.4039, 0.4008, 0.3926



Tritanopia

49.1049, 0.2318, 0.3051

Trichromacy



Original Color

49.3145, 0.2698, 0.4911



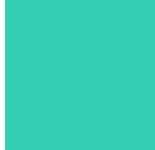
Protanomaly

45.2085, 0.3221, 0.4630



Deuteranomaly

43.8457, 0.3242, 0.4335



Tritanomaly

48.2089, 0.2423, 0.3669

Monochromacy



Original Color

49.3145, 0.2698, 0.4911



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

31.0080, 0.2766, 0.3938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3080, 0.2698, 0.4911 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(1, 214, 114)` looks like.

```
.text, #text, p{  
    color:rgb(1, 214, 114)  
}
```

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(1, 214, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 214, 114) }
```

Border

The CSS property to change the border of an element to Yxy 49.3080, 0.2698, 0.4911 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(1, 214, 114) }
```

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

```
.border{ border-color:rgb(1, 214, 114) }
```

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

Here you see how a box with a 4 pixel rgb(1, 214, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 214, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 214, 114);  
box-shadow:4px 4px 4px 4px rgb(1, 214,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3080, 0.2698, 0.4911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 214, 114) }
```

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

```
.background{ background-color: rgb(1, 214,  
114) }
```

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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