

Converting Colors

$Y_{xy}(49.1856, 0.2744, 0.5079)$

Have a look what the booklet for
Yxy(49.1856, 0.2744, 0.5079)
contains.

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Color

Yxy(49.0926, 0.2742, 0.5071)

Conversions

Conversions Part 1

Format	Color
Hex	00D668
RGB	0, 214, 104
RGB Percent	0%, 84%, 41%
CMY	0.9998, 0.1608, 0.5922
CMYK	1.00, 0.00, 0.51, 0.16
HSL	149°, 100%, 42%
HSV	149°, 100%, 84%
XYZ	26.5454, 49.0926, 21.1725
YIQ	137.4740, -92.2340, -79.5780

Conversions

Conversions Part 2

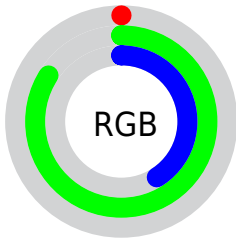
Format	Color
RYB	0, 144, 214
Decimal	54888
CIELab	75.51, -67.61, 41.91
CIELCh	76, 79.540, 148.208
Yxy	49.0926, 0.2742, 0.5071
Android (android.graphics.Color)	4278244968 (0xFF00D668)
YUV	137.4740, -16.5027, -120.5647
Hunter-Lab	70.0661, -54.9887, 31.1301

Details

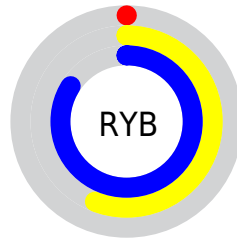
The Yxy color **49.0926, 0.2742, 0.5071** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.4245, 0.4919, 0.2483**, and the grayscale version is **25.3014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9576, 0.2823, 0.4557**, and **24.7108, 0.2857, 0.5486** is the 20% darker color. If you saturate the color by 10%, you get **49.0938, 0.2742, 0.5071**, and if you desaturate by 10%, it is **49.4970, 0.2711, 0.4887**.

Distribution



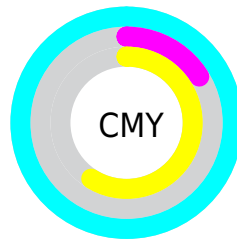
- Red (0%)
- Green (84%)
- Blue (41%)



- Red (0%)
- Yellow (56%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0926, 0.2742, 0.5071 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 49.0926, 0.2742, 0.5071 by changing the saturation by 10% instead.


 49.0926, 0.2742,
0.5071


 49.0926, 0.2742,
0.5071


383.1068, 0.2980,
0.4112


 34.6929, 0.2667,
0.5328


 88.8290, 0.2840,
0.4708

 23.4264, 0.2561,
0.5664

 114.9345, 0.2873,
0.4576


 14.9087, 0.2405,
0.6120


 145.7107, 0.2900,
0.4466

 8.7553, 0.2160,
0.6756

 181.5421, 0.2922,
0.4373

 4.5819, 0.1816,
0.7933

 222.8130, 0.2940,
0.4293

 2.0041, 0.0000,
1.0000

269.9078, 0.2955,


 0.6099, 0.0000,


0.4225

1.0000

323.2109, 0.2969,
0.4164


 0.0000, 0.0000,
0.0000


 49.0926, 0.2742,
0.5071


 49.0926, 0.2742,
0.5071


 49.0938, 0.2742,
0.5071

 49.4970, 0.2711,
0.4887

 50.1116, 0.2697,
0.4692

 50.9995, 0.2702,
0.4490

 52.1950, 0.2727,
0.4287

 53.7273, 0.2769,
0.4090

■ 55.6218, 0.2825,
0.3902

■ 57.9015, 0.2892,
0.3727

■ 60.5875, 0.2967,
0.3566

■ 63.6992, 0.3046,
0.3420

Harmonies

Analogous

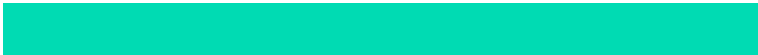
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.0926, 0.3722, 0.5289



49.0926, 0.2742, 0.5071



49.0926, 0.1918, 0.3965

Triad

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



49.0926, 0.2742, 0.5071



49.0926, 0.1655, 0.1774



49.0926, 0.5118, 0.3296

Complementary

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



49.0926, 0.2742, 0.5071



15.4245, 0.4919, 0.2483

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.



49.0926, 0.4350, 0.2639



49.0926, 0.2742, 0.5071



49.0926, 0.2259, 0.1809

Square

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



49.0926, 0.2742, 0.5071



49.0926, 0.1398, 0.2061



49.0926, 0.3227, 0.2112



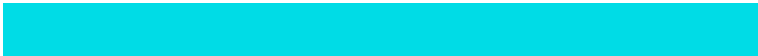
49.0926, 0.5168, 0.4016

Rectangle

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



49.0926, 0.2742, 0.5071



49.0926, 0.1574, 0.3134



49.0926, 0.3227, 0.2112



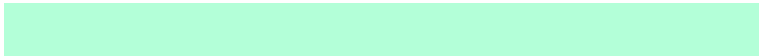
49.0926, 0.4934, 0.3068

Sweetspot

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



49.0946, 0.2742, 0.5071



85.9850, 0.2890, 0.3732



51.4480, 0.3383, 0.5696



18.0816, 0.2861, 0.3805



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.



49.0946, 0.2742, 0.5071



72.9726, 0.2747, 0.5089



52.7701, 0.2261, 0.3338



13.9955, 0.3051, 0.3412



29.6939, 0.2735, 0.5045



1.8077, 0.2645, 0.4722

Inverse Universe

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



15.4245, 0.4919, 0.2483



22.9016, 0.4940, 0.2495



14.3056, 0.6386, 0.3292



12.5263, 0.3211, 0.3171



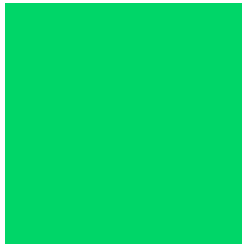
9.3430, 0.4888, 0.2466



0.5802, 0.4520, 0.2263

Previews

White Background



This preview shows how the Yxy color 49.0926, 0.2742, 0.5071 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 49.0926, 0.2742, 0.5071 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 49.0926, 0.2742, 0.5071

Background



This preview shows how black text looks on a background with the Yxy color 49.0926, 0.2742, 0.5071.



This preview shows how white text looks on a background with the Yxy color 49.0926, 0.2742, 0.5071.

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

49.0926, 0.2742, 0.5071

Protanopia

48.3434, 0.4017, 0.4387

Deuteranopia

47.9535, 0.4099, 0.4011



Tritanopia

49.0969, 0.2326, 0.3065

Trichromacy



Original Color

49.0926, 0.2742, 0.5071



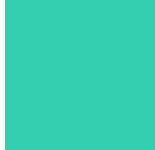
Protanomaly

45.1075, 0.3283, 0.4754



Deuteranomaly

43.7035, 0.3319, 0.4479



Tritanomaly

48.0470, 0.2442, 0.3734

Monochromacy



Original Color

49.0926, 0.2742, 0.5071



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

30.4172, 0.2787, 0.4020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0926, 0.2742, 0.5071 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, 214, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 104)  
}
```

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, 214, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 104) }
```

Border

The CSS property to change the border of an element to Yxy 49.0926, 0.2742, 0.5071 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, 214, 104) }
```

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

```
.border{ border-color:rgb(0, 214, 104) }
```

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

Here you see how a box with a 4 pixel rgb(0, 214, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0926, 0.2742, 0.5071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 104) }
```

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

```
.background{ background-color: rgb(0, 214,  
104) }
```

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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