

Converting Colors

$Y_{xy}(42.8182, 0.2751, 0.5104)$

Have a look what the booklet for
Yxy(42.8182, 0.2751, 0.5104)
contains.

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Color

Yxy(42.6178, 0.2748, 0.5092)

Conversions

Conversions Part 1

Format	Color
Hex	00C960
RGB	0, 201, 96
RGB Percent	0%, 79%, 38%
CMY	0.9992, 0.2118, 0.6235
CMYK	1.00, 0.00, 0.52, 0.21
HSL	149°, 100%, 39%
HSV	149°, 100%, 79%
XYZ	22.9996, 42.6178, 18.0782
YIQ	128.9310, -86.0910, -75.2670

Conversions

Conversions Part 2

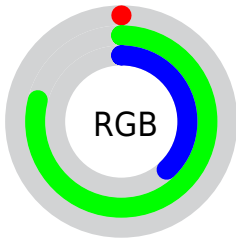
Format	Color
RYB	0, 136, 201
Decimal	51552
CIELab	71.29, -64.69, 40.58
CIELCh	71, 76.370, 147.900
Yxy	42.6178, 0.2748, 0.5092
Android (android.graphics.Color)	4278241632 (0xFF00C960)
YUV	128.9310, -16.2350, -113.0725
Hunter-Lab	65.2823, -51.3569, 29.2788

Details

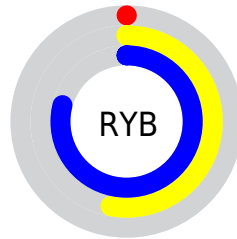
The Yxy color **42.6178, 0.2748, 0.5092** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.4467, 0.4871, 0.2458**, and the grayscale version is **22.0314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4566, 0.2843, 0.4669**, and **20.4481, 0.2867, 0.5521** is the 20% darker color. If you saturate the color by 10%, you get **42.6161, 0.2748, 0.5094**, and if you desaturate by 10%, it is **42.9769, 0.2718, 0.4906**.

Distribution



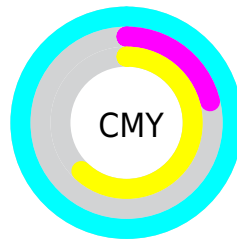
- Red (0%)
- Green (79%)
- Blue (38%)



- Red (0%)
- Yellow (53%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (21%)




- Cyan (100%)
- Magenta (21%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6178, 0.2748, 0.5092 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 42.6178, 0.2748, 0.5092 by changing the saturation by 10% instead.


 42.6178, 0.2748,
0.5092


 42.6178, 0.2748,
0.5092


357.0376, 0.2989,
0.4100

 29.5854, 0.2669,
0.5366

 79.1338, 0.2849,
0.4711


 19.5241, 0.2555,
0.5730


 103.3861, 0.2883,
0.4574

 12.0496, 0.2381,
0.6231


 132.1472, 0.2910,
0.4460

 6.7774, 0.2099,
0.6943

 165.8014, 0.2932,
0.4365

 3.3233, 0.1660,
0.8340

 204.7332, 0.2950,
0.4284

 1.3028, 0.0000,
1.0000

249.3269, 0.2965,

 0.1433, 0.0000,

0.4214

1.0000

299.9669, 0.2977,
0.4153

■ 0.0000, 0.0000,
0.0000

■ 42.6178, 0.2748,
0.5092

■ 42.6178, 0.2748,
0.5092

■ 42.6161, 0.2748,
0.5094

■ 42.9769, 0.2718,
0.4906

■ 43.5179, 0.2704,
0.4708

■ 44.2966, 0.2709,
0.4504

■ 45.3422, 0.2734,
0.4299

■ 46.6796, 0.2776,
0.4099

■ 48.3306, 0.2831,
0.3909

■ 50.3151, 0.2897,
0.3731

■ 52.6511, 0.2971,
0.3568

■ 55.3552, 0.3048,
0.3421

Harmonies

Analogous

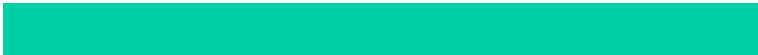
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.6178, 0.3733, 0.5299



42.6178, 0.2748, 0.5092



42.6178, 0.1918, 0.3983

Triad

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



42.6178, 0.2748, 0.5092



42.6178, 0.1643, 0.1768



42.6178, 0.5125, 0.3287

Complementary

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



42.6178, 0.2748, 0.5092



13.4467, 0.4871, 0.2458

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.



42.6178, 0.4347, 0.2628



42.6178, 0.2748, 0.5092



42.6178, 0.2246, 0.1800

Square

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



42.6178, 0.2748, 0.5092



42.6178, 0.1389, 0.2059



42.6178, 0.3215, 0.2102



42.6178, 0.5182, 0.4009

Rectangle

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



42.6178, 0.2748, 0.5092



42.6178, 0.1569, 0.3144



42.6178, 0.3215, 0.2102



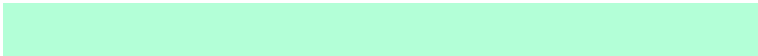
42.6178, 0.4938, 0.3059

Sweetspot

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



42.6195, 0.2748, 0.5092



85.9502, 0.2894, 0.3740



44.9186, 0.3409, 0.5674



18.0734, 0.2864, 0.3814



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.



42.6195, 0.2748, 0.5092



72.9163, 0.2755, 0.5118



45.6840, 0.2275, 0.3390



11.9707, 0.3052, 0.3413



26.8134, 0.2741, 0.5068



1.2842, 0.2631, 0.4672

Inverse Universe

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



13.4467, 0.4871, 0.2458



22.9633, 0.4902, 0.2474



12.4374, 0.6367, 0.3282



10.7280, 0.3209, 0.3170



8.4691, 0.4843, 0.2442



0.4156, 0.4413, 0.2204

Previews

White Background



This preview shows how the Yxy color 42.6178, 0.2748, 0.5092 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 42.6178, 0.2748, 0.5092 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 42.6178, 0.2748, 0.5092

Background



This preview shows how black text looks on a background with the Yxy color 42.6178, 0.2748, 0.5092.



This preview shows how white text looks on a background with the Yxy color 42.6178, 0.2748, 0.5092.

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

42.6178, 0.2748, 0.5092

Protanopia

41.6516, 0.4022, 0.4391

Deuteranopia

41.6318, 0.4119, 0.4027



Tritanopia

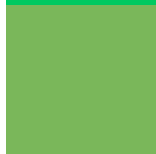
42.4227, 0.2328, 0.3052

Trichromacy



Original Color

42.6178, 0.2748, 0.5092



Protanomaly

38.7427, 0.3298, 0.4766



Deuteranomaly

37.8684, 0.3335, 0.4486



Tritanomaly

41.5347, 0.2451, 0.3745

Monochromacy



Original Color

42.6178, 0.2748, 0.5092



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.5209, 0.2793, 0.4024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6178, 0.2748, 0.5092 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, 201, 96)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 96)  
}
```

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, 201, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 96) }
```

Border

The CSS property to change the border of an element to Yxy 42.6178, 0.2748, 0.5092 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, 201, 96) }
```

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

```
.border{ border-color:rgb(0, 201, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 96);  
box-shadow:4px 4px 4px 4px rgb(0, 201, 96)  
}
```


Background

The CSS property to change the background color of an element to Yxy 42.6178, 0.2748, 0.5092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 96) }
```

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

```
.background{ background-color: rgb(0, 201,  
96) }
```

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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