

Converting Colors

$Y_{xy}(40.0179, 0.2314, 0.5114)$

Have a look what the booklet for
Yxy(40.0179, 0.2314, 0.5114)
contains.

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Color

Yxy(42.7932, 0.2706, 0.4940)

Conversions

Conversions Part 1

Format	Color
Hex	00C969
RGB	0, 201, 105
RGB Percent	0%, 79%, 41%
CMY	0.9982, 0.2118, 0.5882
CMYK	1.00, 0.00, 0.48, 0.21
HSL	151°, 100%, 40%
HSV	151°, 100%, 79%
XYZ	23.4410, 42.7932, 20.3917
YIQ	129.9570, -88.9800, -72.4680

Conversions

Conversions Part 2

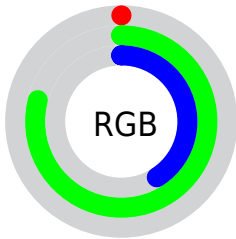
Format	Color
RYB	0, 132, 201
Decimal	51561
CIELab	71.41, -63.23, 36.29
CIELCh	71, 72.903, 150.148
Yxy	42.7932, 0.2706, 0.4940
Android (android.graphics.Color)	4278241641 (0xFF00C969)
YUV	129.9570, -12.3038, -113.9723
Hunter-Lab	65.4165, -50.5162, 27.3096

Details

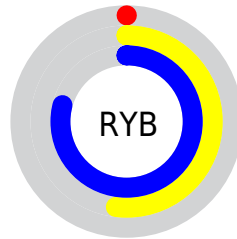
The Yxy color **42.7932, 0.2706, 0.4940** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.2796, 0.5057, 0.2561**, and the grayscale version is **22.4255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7553, 0.2803, 0.4549**, and **20.5266, 0.2820, 0.5353** is the 20% darker color. If you saturate the color by 10%, you get **42.7875, 0.2707, 0.4944**, and if you desaturate by 10%, it is **43.1558, 0.2678, 0.4765**.

Distribution



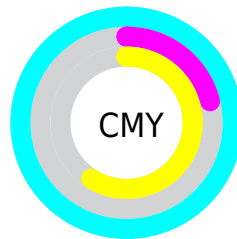
- Red (0%)
- Green (79%)
- Blue (41%)



- Red (0%)
- Yellow (52%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7932, 0.2706, 0.4940 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 42.7932, 0.2706, 0.4940 by changing the saturation by 10% instead.


 42.7932, 0.2706,
0.4940

 42.7932, 0.2706,
0.4940


357.7606, 0.2959,
0.4034


 29.7229, 0.2627,
0.5191


 79.3987, 0.2809,
0.4592


 19.6283, 0.2516,
0.5526


 103.7027, 0.2845,
0.4467


 12.1252, 0.2350,
0.5992


 132.5200, 0.2873,
0.4363

 6.8290, 0.2087,
0.6665

 166.2351, 0.2897,
0.4276

 3.3554, 0.1727,
0.8165

 205.2323, 0.2916,
0.4202

 1.3200, 0.0000,
1.0000


249.8960, 0.2933,


 0.1566, 0.0000,


0.4138


1.0000


300.6106, 0.2947,
0.4082

 0.0000, 0.0000,
0.0000


 42.7932, 0.2706,
0.4940


 42.7932, 0.2706,
0.4940

 42.7875, 0.2707,
0.4944

 43.1558, 0.2678,
0.4765

 43.6978, 0.2667,
0.4581

 44.4738, 0.2676,
0.4393

 45.5128, 0.2704,
0.4206

 46.8394, 0.2750,
0.4024

■ 48.4753, 0.2810,
0.3852

■ 50.4400, 0.2881,
0.3690

■ 52.7514, 0.2960,
0.3542

■ 55.4259, 0.3043,
0.3408

Harmonies

Analogous

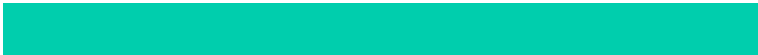
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.7932, 0.3655, 0.5225



42.7932, 0.2706, 0.4940



42.7932, 0.1924, 0.3859

Triad

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



42.7932, 0.2706, 0.4940



42.7932, 0.1728, 0.1815



42.7932, 0.5066, 0.3351

Complementary

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



42.7932, 0.2706, 0.4940



13.2796, 0.5057, 0.2561

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.



42.7932, 0.4366, 0.2702



42.7932, 0.2706, 0.4940



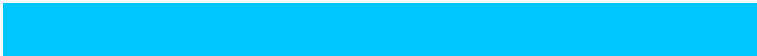
42.7932, 0.2341, 0.1865

Square

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



42.7932, 0.2706, 0.4940



42.7932, 0.1457, 0.2076



42.7932, 0.3295, 0.2177



42.7932, 0.5080, 0.4056

Rectangle

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



42.7932, 0.2706, 0.4940



42.7932, 0.1603, 0.3077



42.7932, 0.3295, 0.2177



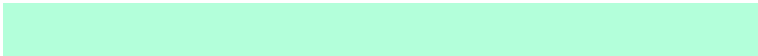
42.7932, 0.4903, 0.3127

Sweetspot

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



42.7949, 0.2706, 0.4940



86.1264, 0.2876, 0.3700



44.3353, 0.3341, 0.5728



18.1151, 0.2845, 0.3768



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.



42.7949, 0.2706, 0.4940



73.2121, 0.2713, 0.4967



44.4502, 0.2233, 0.3237



11.9787, 0.3046, 0.3403



26.9228, 0.2700, 0.4919



1.2894, 0.2597, 0.4549

Inverse Universe

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



13.2796, 0.5057, 0.2561



22.6663, 0.5094, 0.2580



12.5005, 0.6386, 0.3308



10.7201, 0.3216, 0.3180



8.3593, 0.5030, 0.2544



0.4104, 0.4552, 0.2281

Previews

White Background



This preview shows how the Yxy color 42.7932, 0.2706, 0.4940 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 42.7932, 0.2706, 0.4940 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 42.7932, 0.2706, 0.4940

Background



This preview shows how black text looks on a background with the Yxy color 42.7932, 0.2706, 0.4940.



This preview shows how white text looks on a background with the Yxy color 42.7932, 0.2706, 0.4940.

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

42.7932, 0.2706, 0.4940

Protanopia

42.1747, 0.3956, 0.4313

Deuteranopia

41.8972, 0.4014, 0.3940



Tritanopia

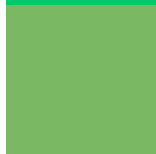
42.7712, 0.2324, 0.3066

Trichromacy



Original Color

42.7932, 0.2706, 0.4940



Protanomaly

39.3194, 0.3238, 0.4643



Deuteranomaly

38.3744, 0.3258, 0.4362



Tritanomaly

42.1011, 0.2431, 0.3692

Monochromacy



Original Color

42.7932, 0.2706, 0.4940



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

26.9964, 0.2772, 0.3958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7932, 0.2706, 0.4940 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 105) }
```

Border

The CSS property to change the border of an element to Yxy 42.7932, 0.2706, 0.4940 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, 105) }
```

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

```
.border{ border-color:rgb(0, 201, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7932, 0.2706, 0.4940 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, 105) }
```

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

```
.background{ background-color: rgb(0, 201,  
105) }
```

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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