

Converting Colors

$Y_{xy}(41.7416, 0.2719, 0.4988)$

Have a look what the booklet for
Yxy(41.7416, 0.2719, 0.4988)
contains.

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Color

Yxy(41.7864, 0.2720, 0.4990)

Conversions

Conversions Part 1

Format	Color
Hex	01C765
RGB	1, 199, 101
RGB Percent	0%, 78%, 40%
CMY	0.9978, 0.2196, 0.6039
CMYK	1.00, 0.00, 0.49, 0.22
HSL	150°, 99%, 39%
HSV	150°, 100%, 78%
XYZ	22.7774, 41.7864, 19.1765
YIQ	128.6260, -86.5500, -72.4540

Conversions

Conversions Part 2

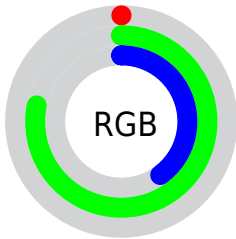
Format	Color
RYB	1, 133, 199
Decimal	116581
CIELab	70.72, -63.24, 37.42
CIELCh	71, 73.478, 149.389
Yxy	41.7864, 0.2720, 0.4990
Android (android.graphics.Color)	4278306661 (0xFF01C765)
YUV	128.6260, -13.6196, -111.9280
Hunter-Lab	64.6424, -50.2281, 27.6610

Details

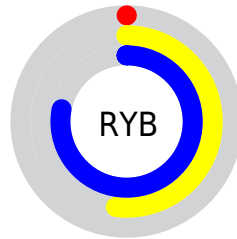
The Yxy color **41.7864, 0.2720, 0.4990** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.0458, 0.4990, 0.2524**, and the grayscale version is **21.8364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5292, 0.2822, 0.4617**, and **19.8839, 0.2837, 0.5414** is the 20% darker color. If you saturate the color by 10%, you get **41.7792, 0.2721, 0.4995**, and if you desaturate by 10%, it is **42.1423, 0.2692, 0.4811**.

Distribution



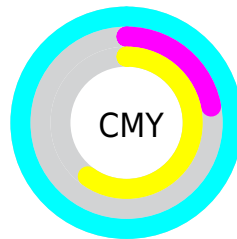
- Red (0%)
- Green (78%)
- Blue (40%)



- Red (0%)
- Yellow (52%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (22%)




- Cyan (100%)
- Magenta (22%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7864, 0.2720, 0.4990 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 41.7864, 0.2720, 0.4990 by changing the saturation by 10% instead.


 41.7864, 0.2720,
0.4990


 41.7864, 0.2720,
0.4990


353.5967, 0.2970,
0.4052


 28.9341, 0.2640,
0.5251


 77.8762, 0.2823,
0.4629


 19.0310, 0.2527,
0.5600


 101.8826, 0.2858,
0.4499

 11.6926, 0.2356,
0.6084


 130.3757, 0.2886,
0.4392

 6.5348, 0.2082,
0.6784

 163.7399, 0.2909,
0.4302

 3.1729, 0.1672,
0.8328

 202.3598, 0.2928,
0.4226

 1.2226, 0.0000,
1.0000

246.6196, 0.2944,


 0.0801, 0.0000,


0.4160

1.0000

296.9038, 0.2958,
0.4102


 0.0000, 0.0000,
0.0000


 41.7864, 0.2720,
0.4990


 41.7864, 0.2720,
0.4990


 41.7792, 0.2721,
0.4995

 42.1423, 0.2692,
0.4811

 42.6752, 0.2680,
0.4622

 43.4381, 0.2688,
0.4429

 44.4596, 0.2715,
0.4235

 45.7636, 0.2759,
0.4048

■ 47.3713, 0.2818,
0.3869

■ 49.3018, 0.2887,
0.3702

■ 51.5725, 0.2964,
0.3549

■ 54.1997, 0.3046,
0.3411

Harmonies

Analogous

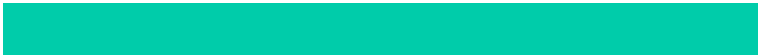
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.7864, 0.3681, 0.5250



41.7864, 0.2720, 0.4990



41.7864, 0.1922, 0.3899

Triad

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



41.7864, 0.2720, 0.4990



41.7864, 0.1700, 0.1800



41.7864, 0.5086, 0.3330

Complementary

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



41.7864, 0.2720, 0.4990



13.0458, 0.4990, 0.2524

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.



41.7864, 0.4360, 0.2678



41.7864, 0.2720, 0.4990



41.7864, 0.2310, 0.1843

Square

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



41.7864, 0.2720, 0.4990



41.7864, 0.1434, 0.2071



41.7864, 0.3269, 0.2152



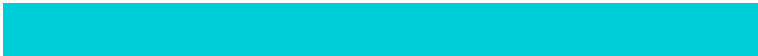
41.7864, 0.5113, 0.4041

Rectangle

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



41.7864, 0.2720, 0.4990



41.7864, 0.1592, 0.3099



41.7864, 0.3269, 0.2152



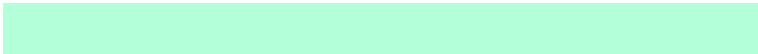
41.7864, 0.4915, 0.3104

Sweetspot

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



41.7881, 0.2720, 0.4990



86.0656, 0.2882, 0.3714



43.5426, 0.3364, 0.5709



18.1007, 0.2852, 0.3784



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.



41.7881, 0.2720, 0.4990



73.1070, 0.2728, 0.5019



44.9718, 0.2247, 0.3287



11.9760, 0.3049, 0.3406



26.8840, 0.2714, 0.4971



1.2876, 0.2609, 0.4591

Inverse Universe

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



13.0458, 0.4990, 0.2524



22.7644, 0.5028, 0.2543



12.1548, 0.6396, 0.3300



10.7228, 0.3214, 0.3176



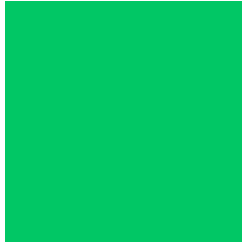
8.3956, 0.4966, 0.2509



0.4122, 0.4504, 0.2255

Previews

White Background



This preview shows how the Yxy color 41.7864, 0.2720, 0.4990 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 41.7864, 0.2720, 0.4990 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 41.7864, 0.2720, 0.4990

Background



This preview shows how black text looks on a background with the Yxy color 41.7864, 0.2720, 0.4990.



This preview shows how white text looks on a background with the Yxy color 41.7864, 0.2720, 0.4990.

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

41.7929, 0.2720, 0.4990

Protanopia

41.0792, 0.3980, 0.4345

Deuteranopia

40.9421, 0.4052, 0.3967



Tritanopia

41.8147, 0.2326, 0.3064

Trichromacy



Original Color

41.7929, 0.2720, 0.4990



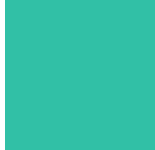
Protanomaly

38.2752, 0.3251, 0.4689



Deuteranomaly

37.4114, 0.3283, 0.4403



Tritanomaly

41.1054, 0.2439, 0.3713

Monochromacy



Original Color

41.7929, 0.2720, 0.4990



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

26.2130, 0.2784, 0.3987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7864, 0.2720, 0.4990 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, 199, 101)` looks like.

```
.text, #text, p{  
    color:rgb(1, 199, 101)  
}
```

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, 199, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 199, 101) }
```

Border

The CSS property to change the border of an element to Yxy 41.7864, 0.2720, 0.4990 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, 199, 101) }
```

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

```
.border{ border-color:rgb(1, 199, 101) }
```

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

Here you see how a box with a 4 pixel rgb(1, 199, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 199, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 199, 101);  
box-shadow:4px 4px 4px 4px rgb(1, 199,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7864, 0.2720, 0.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 199, 101) }
```

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

```
.background{ background-color: rgb(1, 199,  
101) }
```

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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