

Converting Colors

$Y_{xy}(52.6476, 0.2668, 0.4787)$

Have a look what the booklet for
Yxy(52.6476, 0.2668, 0.4787)
contains.

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Color

Yxy(52.7122, 0.2668, 0.4787)

Conversions

Conversions Part 1

Format	Color
Hex	07DC7D
RGB	7, 220, 125
RGB Percent	3%, 86%, 49%
CMY	0.9738, 0.1372, 0.5098
CMYK	0.97, 0.00, 0.43, 0.14
HSL	153°, 94%, 44%
HSV	153°, 97%, 86%
XYZ	29.3788, 52.7122, 28.0243
YIQ	145.4830, -96.4530, -74.7010

Conversions

Conversions Part 2

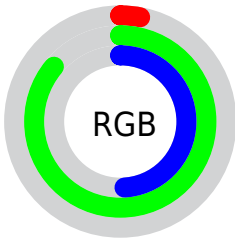
Format	Color
RYB	7, 144, 220
Decimal	515197
CIELab	77.70, -65.83, 34.34
CIELCh	78, 74.252, 152.453
Yxy	52.7122, 0.2668, 0.4787
Android (android.graphics.Color)	4278705277 (0xFF07DC7D)
YUV	145.4830, -10.0981, -121.4496
Hunter-Lab	72.6032, -54.8258, 27.9367

Details

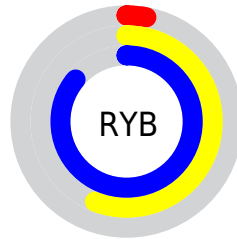
The Yxy color **52.7122, 0.2668, 0.4787** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.3152, 0.5137, 0.2621**, and the grayscale version is **28.5536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9005, 0.2731, 0.4259**, and **26.6888, 0.2762, 0.5143** is the 20% darker color. If you saturate the color by 10%, you get **52.5963, 0.2677, 0.4837**, and if you desaturate by 10%, it is **53.1907, 0.2645, 0.4619**.

Distribution



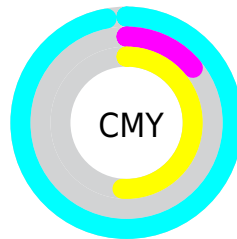
- Red (3%)
- Green (86%)
- Blue (49%)



- Red (3%)
- Yellow (56%)
- Blue (86%)



- Cyan (97%)
- Magenta (0%)
- Yellow (43%)
- Black (14%)



- Cyan (97%)
- Magenta (14%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7122, 0.2668, 0.4787 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 52.7122, 0.2668, 0.4787 by changing the saturation by 10% instead.


 52.7122, 0.2668,
0.4787


 52.7122, 0.2668,
0.4787


397.1800, 0.2925,
0.3993


 37.5731, 0.2595,
0.4997

 94.1807, 0.2768,
0.4489


 25.6515, 0.2497,
0.5272


 121.2789, 0.2804,
0.4380

 16.5631, 0.2358,
0.5646


 153.1323, 0.2833,
0.4289

 9.9235, 0.2151,
0.6175

 190.1252, 0.2857,
0.4212

 5.3483, 0.1821,
0.6958

 232.6420, 0.2878,
0.4145

 2.4530, 0.0944,
0.9056


281.0671, 0.2896,


 0.8530, 0.0000,


0.4088


1.0000


335.7850, 0.2912,
0.4038


 0.0000, 0.0000,
0.0000


 52.7122, 0.2668,
0.4787


 52.7122, 0.2668,
0.4787


 52.5963, 0.2677,
0.4837

 53.1907, 0.2645,
0.4619

 53.9180, 0.2640,
0.4446

 54.9409, 0.2657,
0.4270

 56.2938, 0.2692,
0.4096

 58.0062, 0.2745,
0.3929

■ 60.1042, 0.2812,
0.3771

■ 62.6115, 0.2889,
0.3624

■ 65.5496, 0.2974,
0.3489

■ 68.9386, 0.3063,
0.3367

Harmonies

Analogous

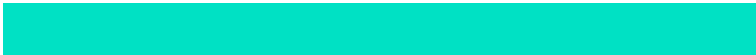
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.7122, 0.3577, 0.5139



52.7122, 0.2668, 0.4787



52.7122, 0.1936, 0.3743

Triad

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



52.7122, 0.2668, 0.4787



52.7122, 0.1817, 0.1867



52.7122, 0.4999, 0.3412

Complementary

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



52.7122, 0.2668, 0.4787



16.3152, 0.5137, 0.2621

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.



52.7122, 0.4376, 0.2776



52.7122, 0.2668, 0.4787



52.7122, 0.2438, 0.1934

Square

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



52.7122, 0.2668, 0.4787



52.7122, 0.1528, 0.2099



52.7122, 0.3370, 0.2254



52.7122, 0.4975, 0.4097

Rectangle

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



52.7122, 0.2668, 0.4787



52.7122, 0.1641, 0.3019



52.7122, 0.3370, 0.2254



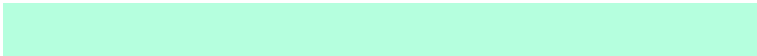
52.7122, 0.4859, 0.3193

Sweetspot

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



52.7143, 0.2668, 0.4787



86.6271, 0.2871, 0.3656



54.0699, 0.3309, 0.5737



18.2163, 0.2837, 0.3719



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.



52.7143, 0.2668, 0.4787



73.4557, 0.2681, 0.4850



50.9797, 0.2208, 0.3137



14.7265, 0.3041, 0.3396



30.8884, 0.2670, 0.4812



2.0184, 0.2594, 0.4539

Inverse Universe

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



16.3152, 0.5137, 0.2621



22.4653, 0.5236, 0.2658



15.6432, 0.6326, 0.3325



13.1474, 0.3222, 0.3186



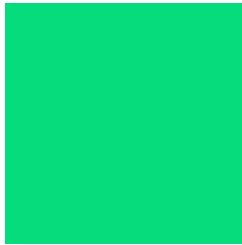
9.4690, 0.5179, 0.2627



0.6306, 0.4778, 0.2406

Previews

White Background



This preview shows how the Yxy color 52.7122, 0.2668, 0.4787 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 52.7122, 0.2668, 0.4787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

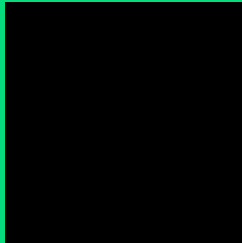
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.7122, 0.2668, 0.4787

Background



This preview shows how black text looks on a background with the Yxy color 52.7122, 0.2668, 0.4787.

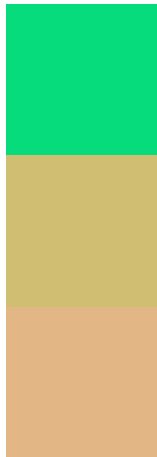


This preview shows how white text looks on a background with the Yxy color 52.7122, 0.2668, 0.4787.

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

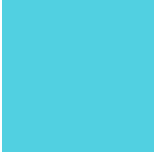
52.7122, 0.2668, 0.4787

Protanopia

51.4517, 0.3882, 0.4208

Deuteranopia

51.5080, 0.3935, 0.3846



Tritanopia

52.2973, 0.2311, 0.3057

Trichromacy



Original Color

52.7122, 0.2668, 0.4787



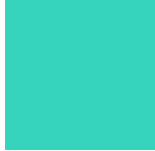
Protanomaly

48.2322, 0.3191, 0.4506



Deuteranomaly

47.3216, 0.3205, 0.4229



Tritanomaly

51.5454, 0.2411, 0.3628

Monochromacy



Original Color

52.7122, 0.2668, 0.4787



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

33.7729, 0.2761, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7122, 0.2668, 0.4787 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(7, 220, 125)` looks like.

```
.text, #text, p{  
    color:rgb(7, 220, 125)  
}
```

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(7, 220, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 220, 125) }
```

Border

The CSS property to change the border of an element to Yxy 52.7122, 0.2668, 0.4787 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(7, 220, 125) }
```

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

```
.border{ border-color:rgb(7, 220, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 220, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 220, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 220, 125);  
box-shadow:4px 4px 4px 4px rgb(7, 220,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7122, 0.2668, 0.4787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 220, 125) }
```

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

```
.background{ background-color: rgb(7, 220,  
125) }
```

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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