

Converting Colors

$Y_{xy}(48.2781, 0.2594, 0.4741)$

Have a look what the booklet for
Yxy(48.2781, 0.2594, 0.4741)
contains.

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Color

Yxy(48.5422, 0.2646, 0.4725)

Conversions

Conversions Part 1

Format	Color
Hex	00D47C
RGB	0, 212, 124
RGB Percent	0%, 83%, 49%
CMY	0.9993, 0.1686, 0.5137
CMYK	1.00, 0.00, 0.42, 0.17
HSL	155°, 100%, 42%
HSV	155°, 100%, 83%
XYZ	27.1836, 48.5422, 27.0090
YIQ	138.5800, -98.1040, -72.3120

Conversions

Conversions Part 2

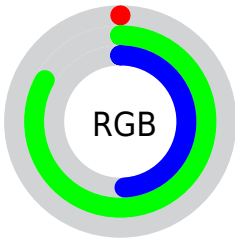
Format	Color
RYB	0, 134, 212
Decimal	54396
CIELab	75.17, -63.53, 31.52
CIELCh	75, 70.917, 153.613
Yxy	48.5422, 0.2646, 0.4725
Android (android.graphics.Color)	4278244476 (0xFF00D47C)
YUV	138.5800, -7.1879, -121.5347
Hunter-Lab	69.6722, -52.2820, 25.7863

Details

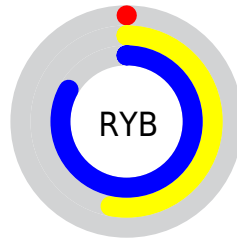
The Yxy color **48.5422, 0.2646, 0.4725** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **14.7085, 0.5335, 0.2713**, and the grayscale version is **25.7279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6374, 0.2729, 0.4289**, and **24.2713, 0.2742, 0.5071** is the 20% darker color. If you saturate the color by 10%, you get **48.5411, 0.2646, 0.4726**, and if you desaturate by 10%, it is **48.9395, 0.2622, 0.4569**.

Distribution



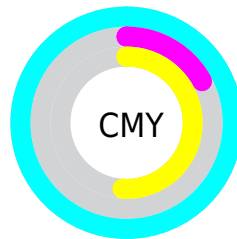
- Red (0%)
- Green (83%)
- Blue (49%)



- Red (0%)
- Yellow (53%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (17%)



- Cyan (100%)
- Magenta (17%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5422, 0.2646, 0.4725 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 48.5422, 0.2646, 0.4725 by changing the saturation by 10% instead.

 48.5422, 0.2646,
0.4725


 48.5422, 0.2646,
0.4725


380.9373, 0.2915,
0.3955


 34.2565, 0.2570,
0.4932


 88.0111, 0.2750,
0.4434

 23.0907, 0.2467,
0.5207


 113.9631, 0.2787,
0.4328


 14.6605, 0.2321,
0.5584

 144.5727, 0.2818,
0.4239

 8.5815, 0.2102,
0.6127


 180.2241, 0.2844,
0.4165

 4.4692, 0.1750,
0.6958

 221.3019, 0.2865,
0.4101

 1.9393, 0.0227,
0.9773

268.1905, 0.2884,

 0.5719, 0.0000,


0.4046


1.0000


321.2741, 0.2900,
0.3998


 0.0000, 0.0000,
0.0000

 48.5422, 0.2646,
0.4725

 48.5422, 0.2646,
0.4725

 48.5411, 0.2646,
0.4726

 48.9395, 0.2622,
0.4569

 49.5338, 0.2614,
0.4408

 50.3861, 0.2627,
0.4245

 51.5294, 0.2660,
0.4084

 52.9916, 0.2711,
0.3927

■ 54.7973, 0.2777,
0.3778

■ 56.9684, 0.2854,
0.3639

■ 59.5252, 0.2941,
0.3511

■ 62.4863, 0.3033,
0.3394

Harmonies

Analogous

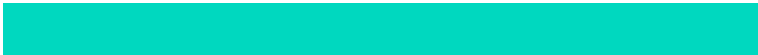
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.5422, 0.3540, 0.5107



48.5422, 0.2646, 0.4725



48.5422, 0.1934, 0.3692

Triad

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



48.5422, 0.2646, 0.4725



48.5422, 0.1854, 0.1885



48.5422, 0.4977, 0.3441

Complementary

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



48.5422, 0.2646, 0.4725



14.7085, 0.5335, 0.2713

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.



48.5422, 0.4387, 0.2808



48.5422, 0.2646, 0.4725



48.5422, 0.2480, 0.1961

Square

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



48.5422, 0.2646, 0.4725



48.5422, 0.1556, 0.2103



48.5422, 0.3407, 0.2286



48.5422, 0.4933, 0.4118

Rectangle

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



48.5422, 0.2646, 0.4725



48.5422, 0.1652, 0.2990



48.5422, 0.3407, 0.2286



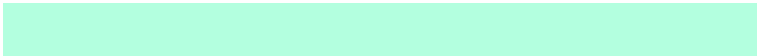
48.5422, 0.4848, 0.3223

Sweetspot

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



48.5441, 0.2646, 0.4725



86.3839, 0.2851, 0.3644



49.1841, 0.3255, 0.5797



18.1761, 0.2817, 0.3702



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.



48.5441, 0.2646, 0.4725



73.6923, 0.2651, 0.4742



43.4939, 0.2174, 0.3025



14.0165, 0.3037, 0.3389



29.9870, 0.2640, 0.4704



1.8250, 0.2565, 0.4433

Inverse Universe

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



14.7085, 0.5335, 0.2713



22.2991, 0.5363, 0.2728



14.4248, 0.6344, 0.3344



12.5055, 0.3227, 0.3194



9.0956, 0.5301, 0.2694



0.5649, 0.4854, 0.2448

Previews

White Background



This preview shows how the Yxy color 48.5422, 0.2646, 0.4725 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 48.5422, 0.2646, 0.4725 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 48.5422, 0.2646, 0.4725

Background



This preview shows how black text looks on a background with the Yxy color 48.5422, 0.2646, 0.4725.

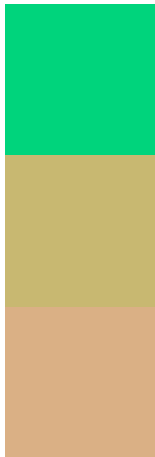


This preview shows how white text looks on a background with the Yxy color 48.5422, 0.2646, 0.4725.

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

48.5422, 0.2646, 0.4725

Protanopia

47.7526, 0.3847, 0.4181

Deuteranopia

47.6495, 0.3889, 0.3808



Tritanopia

48.4027, 0.2313, 0.3063

Trichromacy



Original Color

48.5422, 0.2646, 0.4725



Protanomaly

44.3800, 0.3145, 0.4466



Deuteranomaly

43.4959, 0.3156, 0.4176



Tritanomaly

47.7597, 0.2405, 0.3624

Monochromacy



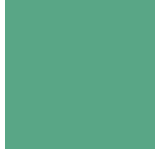
Original Color

48.5422, 0.2646, 0.4725



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

31.1175, 0.2738, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5422, 0.2646, 0.4725 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, 212, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 124)  
}
```

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, 212, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 124) }
```

Border

The CSS property to change the border of an element to Yxy 48.5422, 0.2646, 0.4725 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, 212, 124) }
```

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

```
.border{ border-color:rgb(0, 212, 124) }
```

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

Here you see how a box with a 4 pixel rgb(0, 212, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5422, 0.2646, 0.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 124) }
```

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

```
.background{ background-color: rgb(0, 212,  
124) }
```

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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