

Converting Colors

$Yxy(49.5666, 0.2657, 0.4765)$

Have a look what the booklet for
Yxy(49.5666, 0.2657, 0.4765)
contains.

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Color

Yxy(49.5232, 0.2656, 0.4762)

Conversions

Conversions Part 1

Format	Color
Hex	00D67B
RGB	0, 214, 123
RGB Percent	0%, 84%, 48%
CMY	1.0000, 0.1608, 0.5175
CMYK	1.00, 0.00, 0.43, 0.16
HSL	154°, 100%, 42%
HSV	154°, 100%, 84%
XYZ	27.6215, 49.5232, 26.8519
YIQ	139.6400, -98.3330, -73.6690

Conversions

Conversions Part 2

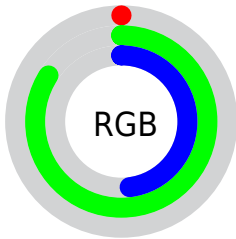
Format	Color
RYB	0, 136, 214
Decimal	54907
CIELab	75.78, -64.40, 32.81
CIELCh	76, 72.276, 152.999
Yxy	49.5232, 0.2656, 0.4762
Android (android.graphics.Color)	4278244987 (0xFF00D67B)
YUV	139.6400, -8.2035, -122.4643
Hunter-Lab	70.3727, -53.0905, 26.6378

Details

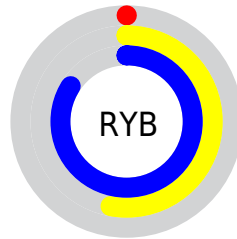
The Yxy color **49.5232, 0.2656, 0.4762** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.0517, 0.5298, 0.2692**, and the grayscale version is **26.1419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5976, 0.2734, 0.4302**, and **24.9348, 0.2753, 0.5112** is the 20% darker color. If you saturate the color by 10%, you get **49.5263, 0.2656, 0.4762**, and if you desaturate by 10%, it is **49.9287, 0.2631, 0.4603**.

Distribution



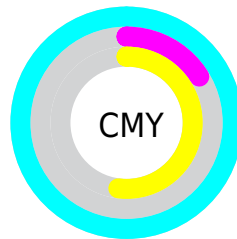
- Red (0%)
- Green (84%)
- Blue (48%)



- Red (0%)
- Yellow (53%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5232, 0.2656, 0.4762 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 49.5232, 0.2656, 0.4762 by changing the saturation by 10% instead.


 49.5232, 0.2656,
0.4762


 49.5232, 0.2656,
0.4762


384.7984, 0.2920,
0.3974

 35.0347, 0.2581,
0.4973


 89.4680, 0.2759,
0.4464

 23.6896, 0.2479,
0.5252


 115.6931, 0.2796,
0.4356


 15.1035, 0.2334,
0.5634


 146.5992, 0.2826,
0.4266

 8.8921, 0.2116,
0.6182

 182.5707, 0.2851,
0.4189

 4.6709, 0.1767,
0.7013

 223.9920, 0.2872,
0.4124

 2.0555, 0.0410,
0.9590

271.2474, 0.2891,


 0.6394, 0.0000,


0.4067


1.0000


324.7214, 0.2906,
0.4018

 0.0000, 0.0000,
0.0000


 49.5232, 0.2656,
0.4762


 49.5232, 0.2656,
0.4762

 49.5263, 0.2656,
0.4762

 49.9287, 0.2631,
0.4603

 50.5346, 0.2622,
0.4438

 51.4046, 0.2634,
0.4271

 52.5729, 0.2666,
0.4105

 54.0679, 0.2716,
0.3945

■ 55.9148, 0.2781,
0.3792

■ 58.1364, 0.2857,
0.3649

■ 60.7531, 0.2942,
0.3517

■ 63.7842, 0.3033,
0.3397

Harmonies

Analogous

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



49.5232, 0.3560, 0.5129



49.5232, 0.2656, 0.4762



49.5232, 0.1932, 0.3720

Triad

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



49.5232, 0.2656, 0.4762



49.5232, 0.1832, 0.1873



49.5232, 0.4993, 0.3425

Complementary

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



49.5232, 0.2656, 0.4762



15.0517, 0.5298, 0.2692

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.



49.5232, 0.4385, 0.2790



49.5232, 0.2656, 0.4762



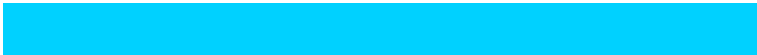
49.5232, 0.2456, 0.1944

Square

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



49.5232, 0.2656, 0.4762



49.5232, 0.1538, 0.2098



49.5232, 0.3388, 0.2267



49.5232, 0.4959, 0.4108

Rectangle

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



49.5232, 0.2656, 0.4762



49.5232, 0.1643, 0.3004



49.5232, 0.3388, 0.2267



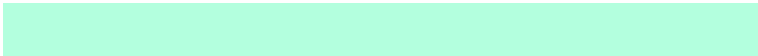
49.5232, 0.4858, 0.3206

Sweetspot

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



49.5263, 0.2656, 0.4762



86.3440, 0.2855, 0.3653



50.4088, 0.3274, 0.5783



18.1666, 0.2821, 0.3712



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.



49.5263, 0.2656, 0.4762



73.6141, 0.2660, 0.4777



46.0423, 0.2189, 0.3079



14.0145, 0.3039, 0.3391



29.9552, 0.2650, 0.4739



1.8232, 0.2573, 0.4462

Inverse Universe

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



15.0517, 0.5298, 0.2692



22.3512, 0.5322, 0.2705



14.6181, 0.6359, 0.3333



12.5076, 0.3225, 0.3191



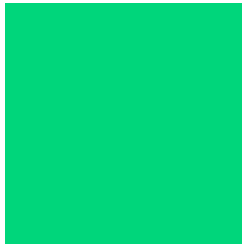
9.1172, 0.5261, 0.2672



0.5663, 0.4821, 0.2429

Previews

White Background



This preview shows how the Yxy color 49.5232, 0.2656, 0.4762 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 49.5232, 0.2656, 0.4762 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 49.5232, 0.2656, 0.4762

Background



This preview shows how black text looks on a background with the Yxy color 49.5232, 0.2656, 0.4762.

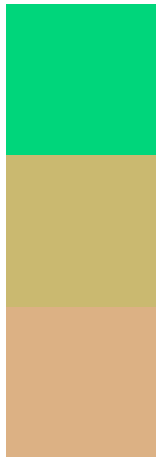


This preview shows how white text looks on a background with the Yxy color 49.5232, 0.2656, 0.4762.

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

49.5232, 0.2656, 0.4762

Protanopia

48.4243, 0.3868, 0.4197

Deuteranopia

48.3259, 0.3912, 0.3827



Tritanopia

49.4886, 0.2314, 0.3065

Trichromacy



Original Color

49.5232, 0.2656, 0.4762



Protanomaly

45.4079, 0.3164, 0.4498



Deuteranomaly

43.9873, 0.3170, 0.4202



Tritanomaly

48.7644, 0.2407, 0.3636

Monochromacy



Original Color

49.5232, 0.2656, 0.4762



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

31.4825, 0.2740, 0.3878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5232, 0.2656, 0.4762 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, 214, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 123)  
}
```

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, 214, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 123) }
```

Border

The CSS property to change the border of an element to Yxy 49.5232, 0.2656, 0.4762 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, 214, 123) }
```

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

```
.border{ border-color:rgb(0, 214, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5232, 0.2656, 0.4762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 123) }
```

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

```
.background{ background-color: rgb(0, 214,  
123) }
```

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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