

Converting Colors

$Y_{xy}(46.9186, 0.2449, 0.5281)$

Have a look what the booklet for
Yxy(46.9186, 0.2449, 0.5281)
contains.

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Color

Yxy(49.5405, 0.2757, 0.5125)

Conversions

Conversions Part 1

Format	Color
Hex	00D765
RGB	0, 215, 101
RGB Percent	0%, 84%, 40%
CMY	0.9998, 0.1569, 0.6038
CMYK	1.00, 0.00, 0.53, 0.16
HSL	148°, 100%, 42%
HSV	148°, 100%, 84%
XYZ	26.6504, 49.5405, 20.4735
YIQ	137.7190, -91.5460, -81.0340

Conversions

Conversions Part 2

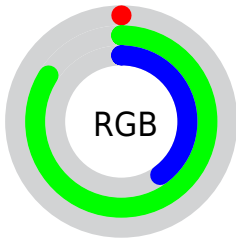
Format	Color
RYB	0, 146, 215
Decimal	55141
CIELab	75.79, -68.37, 43.67
CIELCh	76, 81.130, 147.431
Yxy	49.5405, 0.2757, 0.5125
Android (android.graphics.Color)	4278245221 (0xFF00D765)
YUV	137.7190, -18.1025, -120.7796
Hunter-Lab	70.3850, -55.5871, 32.0233

Details

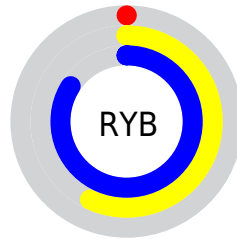
The Yxy color **49.5405, 0.2757, 0.5125** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.6641, 0.4851, 0.2446**, and the grayscale version is **25.4063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8564, 0.2836, 0.4597**, and **24.6840, 0.2871, 0.5535** is the 20% darker color. If you saturate the color by 10%, you get **49.5417, 0.2757, 0.5125**, and if you desaturate by 10%, it is **49.9470, 0.2725, 0.4938**.

Distribution



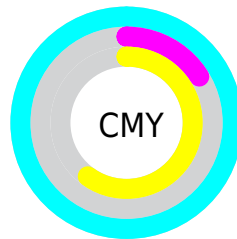
- Red (0%)
- Green (84%)
- Blue (40%)



- Red (0%)
- Yellow (57%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (16%)




- Cyan (100%)
- Magenta (16%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5405, 0.2757, 0.5125 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 49.5405, 0.2757, 0.5125 by changing the saturation by 10% instead.


 49.5405, 0.2757,
0.5125

 49.5405, 0.2757,
0.5125


384.8663, 0.2990,
0.4138

 35.0484, 0.2682,
0.5388


 89.4937, 0.2854,
0.4752


 23.7002, 0.2576,
0.5732


 115.7236, 0.2887,
0.4616


 15.1114, 0.2418,
0.6196


 146.6349, 0.2913,
0.4503

 8.8976, 0.2170,
0.6838

 182.6120, 0.2934,
0.4407

 4.6744, 0.1832,
0.8073

 224.0393, 0.2952,
0.4325

 2.0575, 0.0000,
1.0000

271.3012, 0.2967,


 0.6406, 0.0000,


0.4254


1.0000

324.7820, 0.2979,
0.4192


 0.0000, 0.0000,
0.0000


 49.5405, 0.2757,
0.5125

 49.5405, 0.2757,
0.5125


 49.5417, 0.2757,
0.5125

 49.9470, 0.2725,
0.4938

 50.5676, 0.2710,
0.4737

 51.4662, 0.2714,
0.4530

 52.6777, 0.2738,
0.4321

 54.2316, 0.2779,
0.4117

■ 56.1538, 0.2833,
0.3922

■ 58.4676, 0.2899,
0.3741

■ 61.1943, 0.2971,
0.3575

■ 64.3539, 0.3048,
0.3424

Harmonies

Analogous

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



49.5405, 0.3750, 0.5314



49.5405, 0.2757, 0.5125



49.5405, 0.1916, 0.4011

Triad

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



49.5405, 0.2757, 0.5125



49.5405, 0.1625, 0.1758



49.5405, 0.5138, 0.3273

Complementary

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



49.5405, 0.2757, 0.5125



15.6641, 0.4851, 0.2446

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.



49.5405, 0.4343, 0.2612



49.5405, 0.2757, 0.5125



49.5405, 0.2225, 0.1786

Square

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



49.5405, 0.2757, 0.5125



49.5405, 0.1375, 0.2055



49.5405, 0.3198, 0.2085



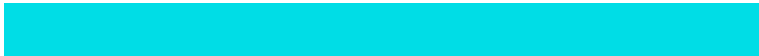
49.5405, 0.5203, 0.3999

Rectangle

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



49.5405, 0.2757, 0.5125



49.5405, 0.1562, 0.3158



49.5405, 0.3198, 0.2085



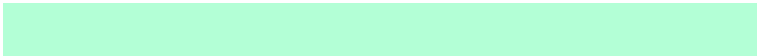
49.5405, 0.4946, 0.3044

Sweetspot

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



49.5425, 0.2757, 0.5125



85.9215, 0.2896, 0.3746



52.2262, 0.3406, 0.5678



18.0667, 0.2868, 0.3822



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

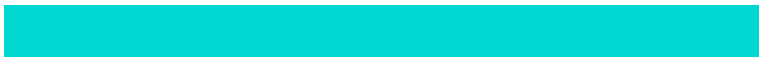
The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.5425, 0.2757, 0.5125



72.8708, 0.2762, 0.5142



53.1486, 0.2275, 0.3390



13.9921, 0.3053, 0.3416



29.6521, 0.2749, 0.5098



1.8051, 0.2658, 0.4768

Inverse Universe

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



15.6641, 0.4851, 0.2446



23.0154, 0.4870, 0.2457



14.4643, 0.6371, 0.3284



12.5298, 0.3209, 0.3167



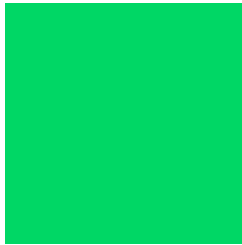
9.3895, 0.4820, 0.2429



0.5830, 0.4466, 0.2234

Previews

White Background



This preview shows how the Yxy color 49.5405, 0.2757, 0.5125 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 49.5405, 0.2757, 0.5125 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 49.5405, 0.2757, 0.5125

Background



This preview shows how black text looks on a background with the Yxy color 49.5405, 0.2757, 0.5125.



This preview shows how white text looks on a background with the Yxy color 49.5405, 0.2757, 0.5125.

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

49.5405, 0.2757, 0.5125

Protanopia

48.4324, 0.4047, 0.4413

Deuteranopia

48.5995, 0.4135, 0.4048



Tritanopia

49.1945, 0.2325, 0.3052

Trichromacy



Original Color

49.5405, 0.2757, 0.5125



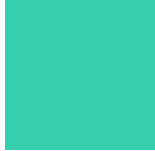
Protanomaly

45.0519, 0.3301, 0.4795



Deuteranomaly

44.1628, 0.3345, 0.4530



Tritanomaly

48.5171, 0.2453, 0.3764

Monochromacy



Original Color

49.5405, 0.2757, 0.5125



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

30.8278, 0.2796, 0.4034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5405, 0.2757, 0.5125 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, 215, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 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(0, 215, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 101) }
```

Border

The CSS property to change the border of an element to Yxy 49.5405, 0.2757, 0.5125 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, 215, 101) }
```

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

```
.border{ border-color:rgb(0, 215, 101) }
```

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

Here you see how a box with a 4 pixel rgb(0, 215, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5405, 0.2757, 0.5125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 101) }
```

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

```
.background{ background-color: rgb(0, 215,  
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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