

Converting Colors

$Y_{xy}(48.6577, 0.2755, 0.5110)$

Have a look what the booklet for
Yxy(48.6577, 0.2755, 0.5110)
contains.

Yxy(48.5474, 0.2755, 0.5109)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.5474, 0.2755, 0.5109)

Conversions

Conversions Part 1

Format	Color
Hex	03D565
RGB	3, 213, 101
RGB Percent	1%, 84%, 40%
CMY	0.9886, 0.1647, 0.6040
CMYK	0.99, 0.00, 0.53, 0.16
HSL	148°, 97%, 42%
HSV	148°, 99%, 84%
XYZ	26.1789, 48.5474, 20.2970
YIQ	137.4420, -89.2080, -79.3520

Conversions

Conversions Part 2

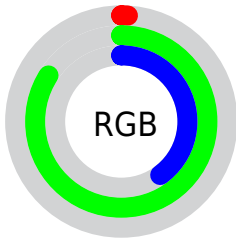
Format	Color
RYB	3, 146, 213
Decimal	251237
CIELab	75.17, -67.65, 42.94
CIELCh	75, 80.128, 147.597
Yxy	48.5474, 0.2755, 0.5109
Android (android.graphics.Color)	4278441317 (0xFF03D565)
YUV	137.4420, -17.9659, -117.9056
Hunter-Lab	69.6760, -54.8662, 31.5017

Details

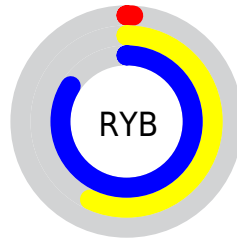
The Yxy color **48.5474, 0.2755, 0.5109** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.4464, 0.4807, 0.2429**, and the grayscale version is **25.2765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8564, 0.2836, 0.4597**, and **24.3442, 0.2869, 0.5529** is the 20% darker color. If you saturate the color by 10%, you get **48.5005, 0.2759, 0.5134**, and if you desaturate by 10%, it is **48.9656, 0.2725, 0.4919**.

Distribution



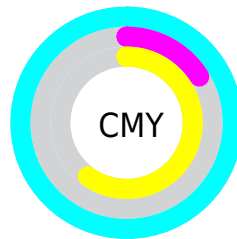
- Red (1%)
- Green (84%)
- Blue (40%)



- Red (1%)
- Yellow (57%)
- Blue (84%)



- Cyan (99%)
- Magenta (0%)
- Yellow (53%)
- Black (16%)




- Cyan (99%)
- Magenta (16%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5474, 0.2755, 0.5109 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 48.5474, 0.2755, 0.5109 by changing the saturation by 10% instead.


 48.5474, 0.2755,
0.5109

 48.5474, 0.2755,
0.5109


380.9578, 0.2989,
0.4127


 34.2606, 0.2680,
0.5372


 88.0189, 0.2852,
0.4738


 23.0939, 0.2573,
0.5717


 113.9723, 0.2885,
0.4602


 14.6628, 0.2414,
0.6183


 144.5834, 0.2911,
0.4490

 8.5831, 0.2163,
0.6831

 180.2366, 0.2933,
0.4394

 4.4703, 0.1827,
0.8115

 221.3162, 0.2950,
0.4313

 1.9399, 0.0000,
1.0000


268.2067, 0.2965,


 0.5722, 0.0000,


0.4243


1.0000

321.2924, 0.2978,
0.4181


 0.0000, 0.0000,
0.0000


 48.5474, 0.2755,
0.5109


 48.5474, 0.2755,
0.5109


 48.5005, 0.2759,
0.5134

 48.9656, 0.2725,
0.4919

 49.6085, 0.2712,
0.4717

 50.5287, 0.2719,
0.4508

 51.7596, 0.2745,
0.4298

 53.3294, 0.2787,
0.4094

■ 55.2630, 0.2843,
0.3900

■ 57.5830, 0.2909,
0.3720

■ 60.3100, 0.2982,
0.3555

■ 63.4633, 0.3059,
0.3406

Harmonies

Analogous

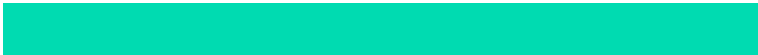
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.5474, 0.3744, 0.5305



48.5474, 0.2755, 0.5109



48.5474, 0.1919, 0.3999

Triad

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



48.5474, 0.2755, 0.5109



48.5474, 0.1634, 0.1764



48.5474, 0.5130, 0.3279

Complementary

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



48.5474, 0.2755, 0.5109



15.4464, 0.4807, 0.2429

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.



48.5474, 0.4342, 0.2619



48.5474, 0.2755, 0.5109



48.5474, 0.2234, 0.1793

Square

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



48.5474, 0.2755, 0.5109



48.5474, 0.1383, 0.2058



48.5474, 0.3204, 0.2093



48.5474, 0.5192, 0.4002

Rectangle

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



48.5474, 0.2755, 0.5109



48.5474, 0.1567, 0.3154



48.5474, 0.3204, 0.2093



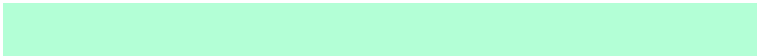
48.5474, 0.4940, 0.3050

Sweetspot

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



48.5494, 0.2755, 0.5109



85.9100, 0.2898, 0.3749



51.2399, 0.3413, 0.5664



18.0640, 0.2869, 0.3825



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.



48.5494, 0.2755, 0.5109



72.8527, 0.2764, 0.5152



52.0665, 0.2276, 0.3389



13.9915, 0.3053, 0.3417



29.6447, 0.2752, 0.5108



1.8047, 0.2660, 0.4777

Inverse Universe

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



15.4464, 0.4807, 0.2429



23.0366, 0.4858, 0.2450



14.2318, 0.6352, 0.3284



12.5304, 0.3209, 0.3166



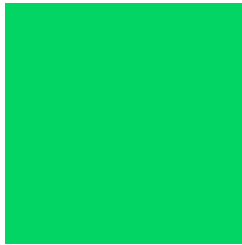
9.3981, 0.4807, 0.2422



0.5835, 0.4457, 0.2229

Previews

White Background



This preview shows how the Yxy color 48.5474, 0.2755, 0.5109 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 48.5474, 0.2755, 0.5109 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 48.5474, 0.2755, 0.5109

Background



This preview shows how black text looks on a background with the Yxy color 48.5474, 0.2755, 0.5109.

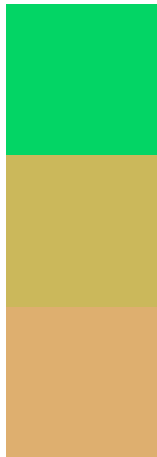


This preview shows how white text looks on a background with the Yxy color 48.5474, 0.2755, 0.5109.

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

48.5474, 0.2755, 0.5109

Protanopia

47.7328, 0.4035, 0.4412

Deuteranopia

47.3372, 0.4120, 0.4036



Tritanopia

48.5769, 0.2327, 0.3064

Trichromacy



Original Color

48.5474, 0.2755, 0.5109



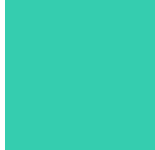
Protanomaly

44.6023, 0.3303, 0.4786



Deuteranomaly

43.2075, 0.3342, 0.4511



Tritanomaly

47.5147, 0.2451, 0.3752

Monochromacy



Original Color

48.5474, 0.2755, 0.5109



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

30.4402, 0.2801, 0.4038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5474, 0.2755, 0.5109 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(3, 213, 101)` looks like.

```
.text, #text, p{  
    color:rgb(3, 213, 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(3, 213, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 213, 101) }
```

Border

The CSS property to change the border of an element to Yxy 48.5474, 0.2755, 0.5109 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(3, 213, 101) }
```

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

```
.border{ border-color:rgb(3, 213, 101) }
```

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

Here you see how a box with a 4 pixel rgb(3, 213, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 213, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 213, 101);  
box-shadow:4px 4px 4px 4px rgb(3, 213,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5474, 0.2755, 0.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 213, 101) }
```

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

```
.background{ background-color: rgb(3, 213,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor