

Converting Colors

$Yxy(48.9377, 0.2801, 0.5249)$

Have a look what the booklet for
Yxy(48.9377, 0.2801, 0.5249)
contains.

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Color

Yxy(48.9370, 0.2801, 0.5248)

Conversions

Conversions Part 1

Format	Color
Hex	0BD65C
RGB	11, 214, 92
RGB Percent	4%, 84%, 36%
CMY	0.9557, 0.1608, 0.6392
CMYK	0.95, 0.00, 0.57, 0.16
HSL	144°, 90%, 44%
HSV	144°, 95%, 84%
XYZ	26.1190, 48.9370, 18.1929
YIQ	139.3950, -81.8260, -80.9780

Conversions

Conversions Part 2

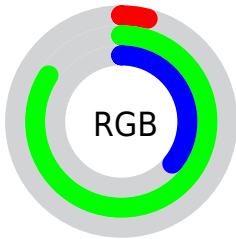
Format	Color
R _Y B	11, 156, 214
Decimal	775772
CIE Lab	75.41, -68.95, 47.45
CIE LCh	75, 83.698, 145.464
Yxy	48.9370, 0.2801, 0.5248
Android (android.graphics.Color)	4278965852 (0xFF0BD65C)
YUV	139.3950, -23.3657, -112.6024
Hunter-Lab	69.9550, -55.7749, 33.5492

Details

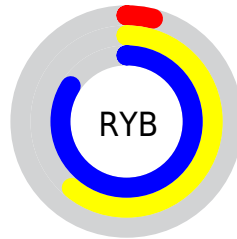
The Yxy color **48.9370, 0.2801, 0.5248** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **16.2442, 0.4454, 0.2253**, and the grayscale version is **26.1309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6901, 0.2884, 0.4712**, and **24.6002, 0.2915, 0.5695** is the 20% darker color. If you saturate the color by 10%, you get **48.7521, 0.2819, 0.5349**, and if you desaturate by 10%, it is **49.4289, 0.2774, 0.5040**.

Distribution



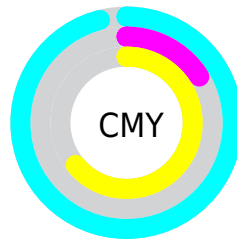
- Red (4%)
- Green (84%)
- Blue (36%)



- Red (4%)
- Yellow (61%)
- Blue (84%)



- Cyan (95%)
- Magenta (0%)
- Yellow (57%)
- Black (16%)





- Cyan (96%)
- Magenta (16%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9370, 0.2801, 0.5248 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 48.9370, 0.2801, 0.5248 by changing the saturation by 10% instead.


 48.9370, 0.2801,
0.5248


 48.9370, 0.2801,
0.5248


382.4943, 0.3021,
0.4192

 34.5695, 0.2726,
0.5528


 88.5979, 0.2896,
0.4850


 23.3315, 0.2617,
0.5893

 114.6601, 0.2927,
0.4704

 14.8384, 0.2453,
0.6380


 145.3892, 0.2951,
0.4583

 8.7061, 0.2188,
0.7042

 181.1698, 0.2971,
0.4481

 4.5500, 0.1801,
0.8199

 222.3863, 0.2987,
0.4393

 1.9857, 0.0000,
1.0000

269.4229, 0.3000,

 0.5992, 0.0000,

0.4317

1.0000

322.6641, 0.3011,
0.4251

■ 0.0000, 0.0000,
0.0000

■ 48.9370, 0.2801,
0.5248

■ 48.9370, 0.2801,
0.5248

■ 48.7521, 0.2819,
0.5349

■ 49.4289, 0.2774,
0.5040

■ 50.1824, 0.2766,
0.4814

■ 51.2381, 0.2776,
0.4579

■ 52.6279, 0.2803,
0.4344

■ 54.3795, 0.2845,
0.4116

■ 56.5176, 0.2899,
0.3901

■ 59.0645, 0.2960,
0.3702

■ 62.0410, 0.3026,
0.3522

■ 65.4664, 0.3095,
0.3360

Harmonies

Analogous

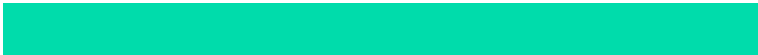
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.9370, 0.3820, 0.5357



48.9370, 0.2801, 0.5248



48.9370, 0.1921, 0.4127

Triad

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



48.9370, 0.2801, 0.5248



48.9370, 0.1558, 0.1725



48.9370, 0.5175, 0.3216

Complementary

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



48.9370, 0.2801, 0.5248



16.2442, 0.4454, 0.2253

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.



48.9370, 0.4311, 0.2549



48.9370, 0.2801, 0.5248



48.9370, 0.2144, 0.1736

Square

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



48.9370, 0.2801, 0.5248



48.9370, 0.1325, 0.2049



48.9370, 0.3121, 0.2024



48.9370, 0.5283, 0.3951

Rectangle

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



48.9370, 0.2801, 0.5248



48.9370, 0.1543, 0.3228



48.9370, 0.3121, 0.2024



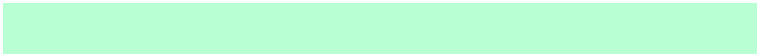
48.9370, 0.4960, 0.2985

Sweetspot

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



48.9390, 0.2801, 0.5248



86.4158, 0.2937, 0.3771



53.3772, 0.3555, 0.5531



18.1476, 0.2911, 0.3858



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

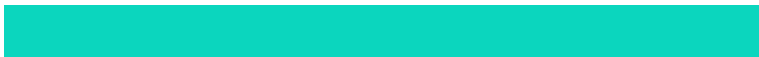
The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.9390, 0.2801, 0.5248



72.4698, 0.2824, 0.5367



51.8994, 0.2351, 0.3640



13.9771, 0.3062, 0.3434



29.4868, 0.2812, 0.5322



1.7946, 0.2714, 0.4971

Inverse Universe

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



16.2442, 0.4454, 0.2253



23.5759, 0.4565, 0.2288



14.6634, 0.6154, 0.3205



12.5451, 0.3198, 0.3151



9.6170, 0.4523, 0.2265



0.5962, 0.4236, 0.2107

Previews

White Background



This preview shows how the Yxy color 48.9370, 0.2801, 0.5248 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 48.9370, 0.2801, 0.5248 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 48.9370, 0.2801, 0.5248

Background



This preview shows how black text looks on a background with the Yxy color 48.9370, 0.2801, 0.5248.

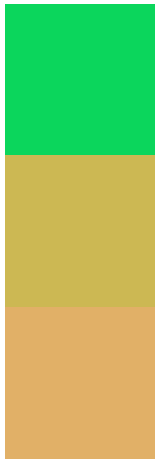


This preview shows how white text looks on a background with the Yxy color 48.9370, 0.2801, 0.5248.

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

48.9370, 0.2801, 0.5248

Protanopia

47.7429, 0.4096, 0.4485

Deuteranopia

48.0375, 0.4205, 0.4120



Tritanopia

48.7143, 0.2338, 0.3065

Trichromacy



Original Color

48.9370, 0.2801, 0.5248



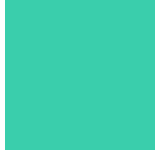
Protanomaly

44.7704, 0.3387, 0.4887



Deuteranomaly

43.9308, 0.3435, 0.4615



Tritanomaly

48.0207, 0.2482, 0.3813

Monochromacy



Original Color

48.9370, 0.2801, 0.5248



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

31.0047, 0.2853, 0.4084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9370, 0.2801, 0.5248 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(11, 214, 92)` looks like.

```
.text, #text, p{  
    color:rgb(11, 214, 92)  
}
```

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(11, 214, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 214, 92) }
```

Border

The CSS property to change the border of an element to Yxy 48.9370, 0.2801, 0.5248 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(11, 214, 92) }
```

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

```
.border{ border-color:rgb(11, 214, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 214, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 214, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 214, 92);  
box-shadow:4px 4px 4px 4px rgb(11, 214,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9370, 0.2801, 0.5248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 214, 92) }
```

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

```
.background{ background-color: rgb(11, 214,  
92) }
```

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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