

Converting Colors

Yxy(49.7334, 0.2850, 0.5348)

Have a look what the booklet for
Yxy(49.7334, 0.2850, 0.5348)
contains.

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Color

Yxy(49.4898, 0.2849, 0.5342)

Conversions

Conversions Part 1

Format	Color
Hex	1BD755
RGB	27, 215, 85
RGB Percent	11%, 84%, 33%
CMY	0.8938, 0.1569, 0.6666
CMYK	0.87, 0.00, 0.60, 0.16
HSL	139°, 78%, 47%
HSV	139°, 87%, 84%
XYZ	26.3939, 49.4898, 16.7591
YIQ	143.9680, -70.3180, -80.2860

Conversions

Conversions Part 2

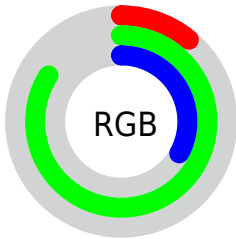
Format	Color
RYB	27, 171, 215
Decimal	1824597
CIELab	75.76, -69.29, 51.02
CIELCh	76, 86.044, 143.637
Yxy	49.4898, 0.2849, 0.5342
Android (android.graphics.Color)	4280014677 (0xFF1BD755)
YUV	143.9680, -29.0712, -102.5809
Hunter-Lab	70.3490, -56.1401, 35.1198

Details

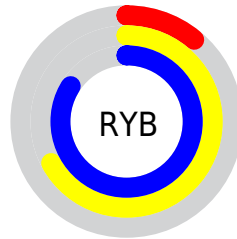
The Yxy color **49.4898, 0.2849, 0.5342** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **17.6704, 0.4027, 0.2062**, and the grayscale version is **28.0267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8288, 0.2931, 0.4781**, and **24.8900, 0.2945, 0.5803** is the 20% darker color. If you saturate the color by 10%, you get **49.0817, 0.2879, 0.5545**, and if you desaturate by 10%, it is **50.1620, 0.2834, 0.5106**.

Distribution



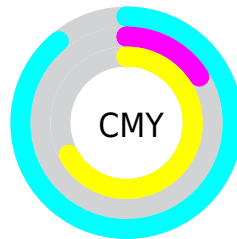
- Red (11%)
- Green (84%)
- Blue (33%)



- Red (11%)
- Yellow (67%)
- Blue (84%)



- Cyan (87%)
- Magenta (0%)
- Yellow (60%)
- Black (16%)





- Cyan (89%)
- Magenta (16%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4898, 0.2849, 0.5342 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 49.4898, 0.2849, 0.5342 by changing the saturation by 10% instead.


 49.4898, 0.2849,
0.5342

 49.4898, 0.2849,
0.5342


384.6674, 0.3052,
0.4239

 35.0082, 0.2775,
0.5632


 89.4185, 0.2939,
0.4928


 23.6692, 0.2667,
0.6006


 115.6343, 0.2968,
0.4776


 15.0884, 0.2500,
0.6500


 146.5304, 0.2991,
0.4649

 8.8814, 0.2232,
0.7168

 182.4910, 0.3008,
0.4542

 4.6639, 0.1811,
0.8189

 223.9006, 0.3023,
0.4450

 2.0515, 0.0000,
1.0000

271.1436, 0.3034,


 0.6371, 0.0000,


0.4370


1.0000


324.6044, 0.3044,
0.4301

 0.0000, 0.0000,
0.0000


 49.4898, 0.2849,
0.5342


 49.4898, 0.2849,
0.5342


 49.0817, 0.2879,
0.5545


 50.1620, 0.2834,
0.5106

 48.9986, 0.2887,
0.5592

 51.1386, 0.2835,
0.4848

 52.4567, 0.2853,
0.4580

 54.1460, 0.2885,
0.4315

 56.2331, 0.2927,
0.4062

■ 58.7420, 0.2976,
0.3826

■ 61.6948, 0.3030,
0.3611

■ 65.1121, 0.3086,
0.3419

■ 69.0131, 0.3142,
0.3248

Harmonies

Analogous

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



49.4898, 0.3885, 0.5375



49.4898, 0.2849, 0.5342



49.4898, 0.1938, 0.4235

Triad

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



49.4898, 0.2849, 0.5342



49.4898, 0.1506, 0.1705



49.4898, 0.5188, 0.3164

Complementary

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



49.4898, 0.2849, 0.5342



17.6704, 0.4027, 0.2062

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.



49.4898, 0.4267, 0.2495



49.4898, 0.2849, 0.5342



49.4898, 0.2076, 0.1700

Square

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



49.4898, 0.2849, 0.5342



49.4898, 0.1291, 0.2055



49.4898, 0.3048, 0.1976



49.4898, 0.5341, 0.3905

Rectangle

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



49.4898, 0.2849, 0.5342



49.4898, 0.1538, 0.3301



49.4898, 0.3048, 0.1976



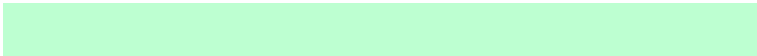
49.4898, 0.4954, 0.2932

Sweetspot

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



49.4918, 0.2849, 0.5342



86.9111, 0.2982, 0.3800



56.0134, 0.3704, 0.5358



18.3050, 0.2964, 0.3880



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.



49.4918, 0.2849, 0.5342



72.0792, 0.2891, 0.5608



52.0265, 0.2427, 0.3857



13.9584, 0.3074, 0.3455



29.3233, 0.2879, 0.5566



1.7833, 0.2781, 0.5211

Inverse Universe

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



17.6704, 0.4027, 0.2062



24.4092, 0.4201, 0.2088



15.6120, 0.5714, 0.3038



12.5645, 0.3184, 0.3130



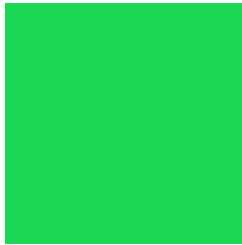
9.9531, 0.4171, 0.2071



0.6148, 0.3965, 0.1958

Previews

White Background



This preview shows how the Yxy color 49.4898, 0.2849, 0.5342 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 49.4898, 0.2849, 0.5342 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 49.4898, 0.2849, 0.5342

Background



This preview shows how black text looks on a background with the Yxy color 49.4898, 0.2849, 0.5342.



This preview shows how white text looks on a background with the Yxy color 49.4898, 0.2849, 0.5342.

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

49.4898, 0.2849, 0.5342

Protanopia

48.3415, 0.4150, 0.4548

Deuteranopia

48.2261, 0.4276, 0.4182



Tritanopia

49.4269, 0.2351, 0.3066

Trichromacy



Original Color

49.4898, 0.2849, 0.5342



Protanomaly

45.7071, 0.3479, 0.4948



Deuteranomaly

44.4696, 0.3542, 0.4677



Tritanomaly

48.6862, 0.2520, 0.3856

Monochromacy



Original Color

49.4898, 0.2849, 0.5342



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.9462, 0.2910, 0.4111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4898, 0.2849, 0.5342 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(27, 215, 85)` looks like.

```
.text, #text, p{  
    color:rgb(27, 215, 85)  
}
```

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(27, 215, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 215, 85) }
```

Border

The CSS property to change the border of an element to Yxy 49.4898, 0.2849, 0.5342 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(27, 215, 85) }
```

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

```
.border{ border-color:rgb(27, 215, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 215, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 215, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 215, 85);  
box-shadow:4px 4px 4px 4px rgb(27, 215,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4898, 0.2849, 0.5342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 215, 85) }
```

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

```
.background{ background-color: rgb(27, 215,  
85) }
```

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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