

Converting Colors

$Y_{xy}(41.7936, 0.2903, 0.5512)$

Have a look what the booklet for
Yxy(41.7936, 0.2903, 0.5512)
contains.

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Color

Yxy(41.9349, 0.2902, 0.5510)

Conversions

Conversions Part 1

Format	Color
Hex	1BC842
RGB	27, 200, 66
RGB Percent	11%, 78%, 26%
CMY	0.8948, 0.2157, 0.7411
CMYK	0.87, 0.00, 0.67, 0.22
HSL	134°, 76%, 44%
HSV	134°, 87%, 78%
XYZ	22.0862, 41.9349, 12.0858
YIQ	132.9970, -60.0940, -78.3500

Conversions

Conversions Part 2

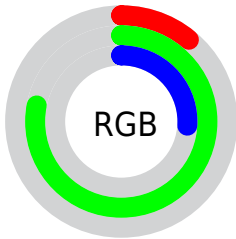
Format	Color
R_{YB}	27, 168, 200
Decimal	1820738
CIE _{Lab}	70.83, -66.85, 53.58
CIE _{LCh}	71, 85.677, 141.288
Yxy	41.9349, 0.2902, 0.5510
Android (android.graphics.Color)	4280010818 (0xFF1BC842)
YUV	132.9970, -33.0295, -92.9594
Hunter-Lab	64.7572, -52.4454, 34.2646

Details

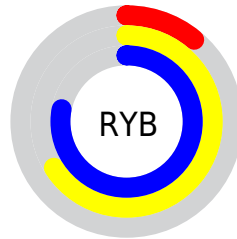
The Yxy color **41.9349, 0.2902, 0.5510** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **15.6227, 0.3768, 0.1922**, and the grayscale version is **23.5746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0642, 0.2993, 0.5022**, and **19.9465, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.5916, 0.2926, 0.5705**, and if you desaturate by 10%, it is **42.5140, 0.2890, 0.5268**.

Distribution



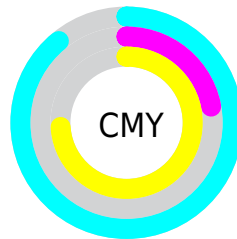
- Red (11%)
- Green (78%)
- Blue (26%)



- Red (11%)
- Yellow (66%)
- Blue (78%)



- Cyan (87%)
- Magenta (0%)
- Yellow (67%)
- Black (22%)





- Cyan (89%)
- Magenta (22%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9349, 0.2902, 0.5510 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 41.9349, 0.2902, 0.5510 by changing the saturation by 10% instead.


 41.9349, 0.2902,
0.5510


 41.9349, 0.2902,
0.5510


354.2130, 0.3095,
0.4289


 29.0503, 0.2821,
0.5837


 78.1011, 0.2996,
0.5046


 19.1189, 0.2695,
0.6262


 102.1515, 0.3023,
0.4877


 11.7562, 0.2491,
0.6819


 130.6926, 0.3044,
0.4737

 6.5779, 0.2214,
0.7786

 164.1089, 0.3060,
0.4619

 3.1996, 0.1488,
0.8512

 202.7846, 0.3072,
0.4518

 1.2368, 0.0000,
1.0000


247.1043, 0.3082,


 0.0914, 0.0000,

0.4431


1.0000


297.4523, 0.3089,
0.4356

 0.0000, 0.0000,
0.0000


 41.9349, 0.2902,
0.5510

 41.9349, 0.2902,
0.5510


 41.5916, 0.2926,
0.5705

 42.5140, 0.2890,
0.5268

 41.5041, 0.2934,
0.5761

 43.3619, 0.2893,
0.4994

 44.5098, 0.2908,
0.4704

 45.9834, 0.2935,
0.4412

 47.8058, 0.2970,
0.4131

■ 49.9975, 0.3010,
0.3869

■ 52.5779, 0.3054,
0.3630

■ 55.5645, 0.3098,
0.3417

■ 58.9742, 0.3142,
0.3229

Harmonies

Analogous

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



41.9349, 0.3974, 0.5425



41.9349, 0.2902, 0.5510



41.9349, 0.1940, 0.4406

Triad

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



41.9349, 0.2902, 0.5510



41.9349, 0.1417, 0.1657



41.9349, 0.5241, 0.3087

Complementary

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



41.9349, 0.2902, 0.5510



15.6227, 0.3768, 0.1922

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.



41.9349, 0.4223, 0.2410



41.9349, 0.2902, 0.5510



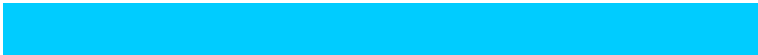
41.9349, 0.1969, 0.1631

Square

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



41.9349, 0.2902, 0.5510



41.9349, 0.1222, 0.2043



41.9349, 0.2946, 0.1893



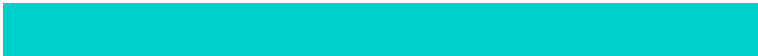
41.9349, 0.5452, 0.3840

Rectangle

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



41.9349, 0.2902, 0.5510



41.9349, 0.1507, 0.3401



41.9349, 0.2946, 0.1893



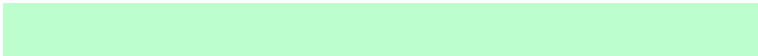
41.9349, 0.4975, 0.2851

Sweetspot

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



41.9366, 0.2902, 0.5510



86.6460, 0.3011, 0.3863



49.1230, 0.3831, 0.5249



18.2433, 0.2996, 0.3953



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.



41.9366, 0.2902, 0.5510



71.8225, 0.2939, 0.5781



43.7755, 0.2500, 0.4101



11.9265, 0.3086, 0.3474



26.3986, 0.2928, 0.5739



1.2614, 0.2813, 0.5327

Inverse Universe

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



15.6227, 0.3768, 0.1922



25.3045, 0.3895, 0.1919



13.5763, 0.5407, 0.2878



10.7740, 0.3172, 0.3113



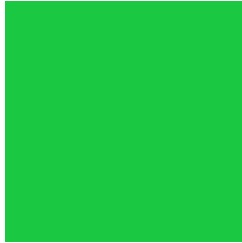
9.3209, 0.3872, 0.1907



0.4517, 0.3707, 0.1816

Previews

White Background



This preview shows how the Yxy color 41.9349, 0.2902, 0.5510 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 41.9349, 0.2902, 0.5510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

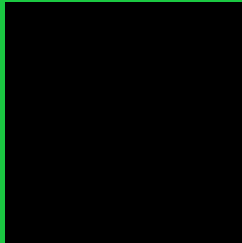
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.9349, 0.2902, 0.5510

Background



This preview shows how black text looks on a background with the Yxy color 41.9349, 0.2902, 0.5510.



This preview shows how white text looks on a background with the Yxy color 41.9349, 0.2902, 0.5510.

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

41.9349, 0.2902, 0.5510

Protanopia

41.0170, 0.4223, 0.4649

Deuteranopia

40.7415, 0.4370, 0.4278



Tritanopia

41.6897, 0.2359, 0.3065

Trichromacy



Original Color

41.9349, 0.2902, 0.5510



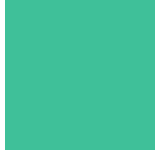
Protanomaly

38.6984, 0.3553, 0.5076



Deuteranomaly

37.5648, 0.3635, 0.4802



Tritanomaly

41.0559, 0.2554, 0.3934

Monochromacy



Original Color

41.9349, 0.2902, 0.5510



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.5978, 0.2953, 0.4194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9349, 0.2902, 0.5510 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, 200, 66)` looks like.

```
.text, #text, p{  
    color:rgb(27, 200, 66)  
}
```

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, 200, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 200, 66) }
```

Border

The CSS property to change the border of an element to Yxy 41.9349, 0.2902, 0.5510 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, 200, 66) }
```

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

```
.border{ border-color:rgb(27, 200, 66) }
```

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

Here you see how a box with a 4 pixel rgb(27, 200, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 200, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 200, 66);  
box-shadow:4px 4px 4px 4px rgb(27, 200,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9349, 0.2902, 0.5510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 200, 66) }
```

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

```
.background{ background-color: rgb(27, 200,  
66) }
```

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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