

Converting Colors

$Y_{xy}(33.4762, 0.2837, 0.5412)$

Have a look what the booklet for
Yxy(33.4762, 0.2837, 0.5412)
contains.

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Color

Yxy(33.4530, 0.2836, 0.5410)

Conversions

Conversions Part 1

Format	Color
Hex	00B543
RGB	0, 181, 67
RGB Percent	0%, 71%, 26%
CMY	1.0000, 0.2902, 0.7372
CMYK	1.00, 0.00, 0.63, 0.29
HSL	142°, 100%, 35%
HSV	142°, 100%, 71%
XYZ	17.5365, 33.4530, 10.8459
YIQ	113.8850, -71.2820, -73.8260

Conversions

Conversions Part 2

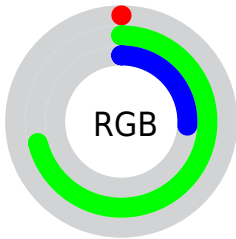
Format	Color
RYB	0, 132, 181
Decimal	46403
CIELab	64.53, -62.45, 46.13
CIELCh	65, 77.637, 143.549
Yxy	33.4530, 0.2836, 0.5410
Android (android.graphics.Color)	4278236483 (0xFF00B543)
YUV	113.8850, -23.1143, -99.8771
Hunter-Lab	57.8386, -47.0966, 29.3689

Details

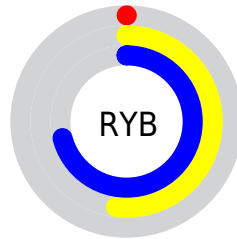
The Yxy color **33.4530, 0.2836, 0.5410** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.0388, 0.4418, 0.2207**, and the grayscale version is **16.8790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9678, 0.2942, 0.4935**, and **14.9414, 0.2980, 0.5930** is the 20% darker color. If you saturate the color by 10%, you get **33.4550, 0.2836, 0.5410**, and if you desaturate by 10%, it is **33.7351, 0.2806, 0.5211**.

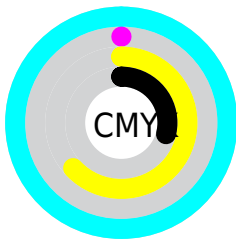
Distribution



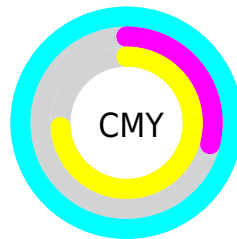
- Red (0%)
- Green (71%)
- Blue (26%)



- Red (0%)
- Yellow (52%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4530, 0.2836, 0.5410 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 33.4530, 0.2836, 0.5410 by changing the saturation by 10% instead.


 33.4530, 0.2836,
0.5410

 33.4530, 0.2836,
0.5410


317.6861, 0.3059,
0.4200


 22.4737, 0.2745,
0.5757


 65.0821, 0.2941,
0.4935

 14.2054, 0.2602,
0.6221


 86.5007, 0.2973,
0.4767

 8.2636, 0.2365,
0.6857


 112.1679, 0.2996,
0.4630

 4.2641, 0.2013,
0.7987

 142.4681, 0.3015,
0.4515

 1.8224, 0.0022,
0.9978

 177.7856, 0.3030,
0.4418

 0.5011, 0.0000,
1.0000

 218.5048, 0.3041,

 0.0000, 0.0000,

0.4335


0.0000


265.0102, 0.3051,
0.4263


 33.4530, 0.2836,
0.5410

 33.4530, 0.2836,
0.5410


 33.4550, 0.2836,
0.5410

 33.7351, 0.2806,
0.5211

 34.1632, 0.2789,
0.4989

 34.7859, 0.2789,
0.4751

 35.6263, 0.2807,
0.4508

 36.7039, 0.2840,
0.4268

■ 38.0364, 0.2886,
0.4038

■ 39.6393, 0.2940,
0.3823

■ 41.5271, 0.3000,
0.3626

■ 43.7132, 0.3063,
0.3448

Harmonies

Analogous

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



33.4530, 0.3893, 0.5424



33.4530, 0.2836, 0.5410



33.4530, 0.1908, 0.4267

Triad

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



33.4530, 0.2836, 0.5410



33.4530, 0.1473, 0.1672



33.4530, 0.5242, 0.3151

Complementary

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



33.4530, 0.2836, 0.5410



11.0388, 0.4418, 0.2207

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.



33.4530, 0.4293, 0.2474



33.4530, 0.2836, 0.5410



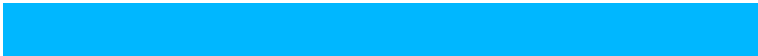
33.4530, 0.2049, 0.1667

Square

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



33.4530, 0.2836, 0.5410



33.4530, 0.1255, 0.2025



33.4530, 0.3040, 0.1947



33.4530, 0.5391, 0.3901

Rectangle

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



33.4530, 0.2836, 0.5410



33.4530, 0.1503, 0.3300



33.4530, 0.3040, 0.1947



33.4530, 0.5001, 0.2916

Sweetspot

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



33.4550, 0.2836, 0.5410



70.8338, 0.2937, 0.3833



36.6697, 0.3565, 0.5551



15.0417, 0.2914, 0.3920



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



33.4550, 0.2836, 0.5410



59.8738, 0.2844, 0.5439



35.4793, 0.2365, 0.3712



9.5404, 0.3067, 0.3437



23.0744, 0.2830, 0.5387



0.7375, 0.2664, 0.4791

Inverse Universe

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



11.0388, 0.4418, 0.2207



19.7238, 0.4442, 0.2221



9.8908, 0.6225, 0.3203



8.5923, 0.3192, 0.3148



7.6232, 0.4398, 0.2197



0.2507, 0.3988, 0.1971

Previews

White Background



This preview shows how the Yxy color 33.4530, 0.2836, 0.5410 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 33.4530, 0.2836, 0.5410 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 33.4530, 0.2836, 0.5410

Background



This preview shows how black text looks on a background with the Yxy color 33.4530, 0.2836, 0.5410.



This preview shows how white text looks on a background with the Yxy color 33.4530, 0.2836, 0.5410.

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

33.4530, 0.2836, 0.5410

Protanopia

32.9874, 0.4159, 0.4582

Deuteranopia

32.7920, 0.4295, 0.4215



Tritanopia

33.5848, 0.2351, 0.3076

Trichromacy



Original Color

33.4530, 0.2836, 0.5410



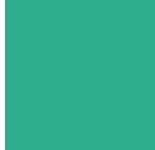
Protanomaly

30.5841, 0.3414, 0.5024



Deuteranomaly

29.7602, 0.3490, 0.4765



Tritanomaly

32.7760, 0.2501, 0.3890

Monochromacy



Original Color

33.4530, 0.2836, 0.5410



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

20.4565, 0.2858, 0.4177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4530, 0.2836, 0.5410 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, 181, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 67)  
}
```

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, 181, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 67) }
```

Border

The CSS property to change the border of an element to Yxy 33.4530, 0.2836, 0.5410 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, 181, 67) }
```

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

```
.border{ border-color:rgb(0, 181, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 67);  
box-shadow:4px 4px 4px 4px rgb(0, 181, 67)  
}
```


Background

The CSS property to change the background color of an element to Yxy 33.4530, 0.2836, 0.5410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 67) }
```

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

```
.background{ background-color: rgb(0, 181,  
67) }
```

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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