

Converting Colors

Yxy(33.4626, 0.2840, 0.5424)

Have a look what the booklet for
Yxy(33.4626, 0.2840, 0.5424)
contains.

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Color

Yxy(33.4411, 0.2840, 0.5426)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00B542 |
| RGB | 0, 181, 66 |
| RGB Percent | 0%, 71%, 26% |
| CMY | 1.0000, 0.2902, 0.7412 |
| CMYK | 1.00, 0.00, 0.64, 0.29 |
| HSL | 142°, 100%, 35% |
| HSV | 142°, 100%, 71% |
| XYZ | 17.5033, 33.4411, 10.6869 |
| YIQ | 113.7710, -70.9610, -74.1370 |

Conversions

Conversions Part 2

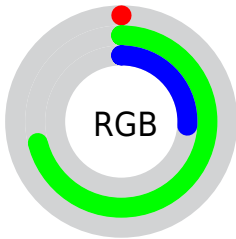
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 133, 181 |
| Decimal | 46402 |
| CIELab | 64.52, -62.59, 46.57 |
| CIElCh | 65, 78.010, 143.351 |
| Yxy | 33.4411, 0.2840, 0.5426 |
| Android (android.graphics.Color) | 4278236482 (0xFF00B542) |
| YUV | 113.7710, -23.5511, -99.7772 |
| Hunter-Lab | 57.8283, -47.1717, 29.5228 |

Details

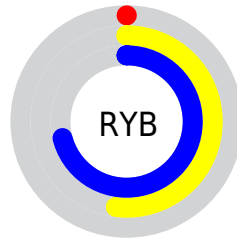
The Yxy color **33.4411, 0.2840, 0.5426** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.0629, 0.4395, 0.2195**, and the grayscale version is **16.8448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9439, 0.2946, 0.4948**, and **14.9370, 0.2985, 0.5945** is the 20% darker color. If you saturate the color by 10%, you get **33.4452, 0.2840, 0.5426**, and if you desaturate by 10%, it is **33.7244, 0.2810, 0.5226**.

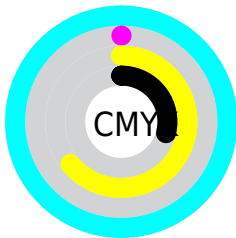
Distribution



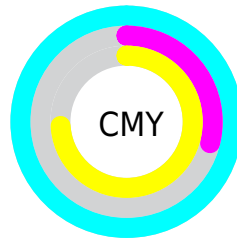
- Red (0%)
- Green (71%)
- Blue (26%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (29%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4411, 0.2840, 0.5426 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 33.4411, 0.2840, 0.5426 by changing the saturation by 10% instead.


 33.4411, 0.2840,
0.5426


 33.4411, 0.2840,
0.5426


317.6327, 0.3062,
0.4207


 22.4646, 0.2748,
0.5775


 65.0636, 0.2945,
0.4948


 14.1987, 0.2605,
0.6242


 86.4783, 0.2977,
0.4779

 8.2590, 0.2366,
0.6880

 112.1413, 0.3000,
0.4640

 4.2611, 0.2007,
0.7993

 142.4368, 0.3019,
0.4524

 1.8207, 0.0000,
1.0000

 177.7493, 0.3033,
0.4426

 0.5000, 0.0000,
1.0000

 218.4632, 0.3045,

 0.0000, 0.0000,

0.4343

0.0000

264.9629, 0.3054,
0.4270

■ 33.4411, 0.2840,
0.5426

■ 33.4411, 0.2840,
0.5426

■ 33.4452, 0.2840,
0.5426

■ 33.7244, 0.2810,
0.5226

■ 34.1519, 0.2793,
0.5004

■ 34.7745, 0.2793,
0.4765

■ 35.6151, 0.2811,
0.4519

■ 36.6937, 0.2844,
0.4277

■ 38.0276, 0.2889,
0.4045

■ 39.6326, 0.2942,
0.3828

■ 41.5231, 0.3001,
0.3629

■ 43.7125, 0.3064,
0.3450

Harmonies

Analogous

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



33.4411, 0.3900, 0.5429



33.4411, 0.2840, 0.5426



33.4411, 0.1907, 0.4282

Triad

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



33.4411, 0.2840, 0.5426



33.4411, 0.1464, 0.1667



33.4411, 0.5247, 0.3145

Complementary

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



33.4411, 0.2840, 0.5426



11.0629, 0.4395, 0.2195

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.



33.4411, 0.4290, 0.2466



33.4411, 0.2840, 0.5426



33.4411, 0.2039, 0.1661

Square

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



33.4411, 0.2840, 0.5426



33.4411, 0.1248, 0.2023



33.4411, 0.3031, 0.1939



33.4411, 0.5402, 0.3896

Rectangle

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



33.4411, 0.2840, 0.5426



33.4411, 0.1499, 0.3308



33.4411, 0.3031, 0.1939



33.4411, 0.5004, 0.2909

Sweetspot

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



33.4452, 0.2840, 0.5426



70.8165, 0.2939, 0.3838



36.8794, 0.3592, 0.5530



15.0376, 0.2916, 0.3926



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.



33.4452, 0.2840, 0.5426



59.8525, 0.2849, 0.5455



35.3802, 0.2380, 0.3768



9.5396, 0.3068, 0.3438



23.0660, 0.2834, 0.5402



0.7372, 0.2668, 0.4805

Inverse Universe

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



11.0629, 0.4395, 0.2195



19.7658, 0.4419, 0.2208



9.9048, 0.6191, 0.3184



8.5931, 0.3191, 0.3146



7.6393, 0.4376, 0.2184



0.2511, 0.3974, 0.1963

Previews

White Background



This preview shows how the Yxy color 33.4411, 0.2840, 0.5426 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 33.4411, 0.2840, 0.5426 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 33.4411, 0.2840, 0.5426

Background



This preview shows how black text looks on a background with the Yxy color 33.4411, 0.2840, 0.5426.



This preview shows how white text looks on a background with the Yxy color 33.4411, 0.2840, 0.5426.

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

33.4411, 0.2840, 0.5426

Protanopia

32.9769, 0.4165, 0.4592

Deuteranopia

32.7780, 0.4304, 0.4226



Tritanopia

33.2113, 0.2347, 0.3059

Trichromacy



Original Color

33.4411, 0.2840, 0.5426



Protanomaly

30.5731, 0.3420, 0.5037



Deuteranomaly

29.7471, 0.3497, 0.4779



Tritanomaly

32.3614, 0.2503, 0.3893

Monochromacy



Original Color

33.4411, 0.2840, 0.5426



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 33.4411, 0.2840, 0.5426 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 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(0, 181, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 66) }
```

Border

The CSS property to change the border of an element to Yxy 33.4411, 0.2840, 0.5426 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, 66) }
```

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

```
.border{ border-color:rgb(0, 181, 66) }
```

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, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 66);  
box-shadow:4px 4px 4px 4px rgb(0, 181, 66)  
}
```


Background

The CSS property to change the background color of an element to Yxy 33.4411, 0.2840, 0.5426 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, 66) }
```

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

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