

Converting Colors

$Y_{xy}(33.8094, 0.2427, 0.5725)$

Have a look what the booklet for
Yxy(33.8094, 0.2427, 0.5725)
contains.

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Color

Yxy(35.9340, 0.2851, 0.5462)

Conversions

Conversions Part 1

Format	Color
Hex	00BB42
RGB	0, 187, 66
RGB Percent	0%, 73%, 26%
CMY	0.9986, 0.2667, 0.7412
CMYK	1.00, 0.00, 0.65, 0.27
HSL	141°, 100%, 37%
HSV	141°, 100%, 73%
XYZ	18.7565, 35.9340, 11.0986
YIQ	117.2930, -72.6110, -77.2750

Conversions

Conversions Part 2

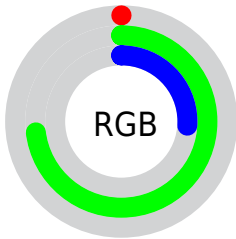
Format	Color
RYB	0, 138, 187
Decimal	47938
CIELab	66.47, -64.37, 48.76
CIELCh	66, 80.757, 142.856
Yxy	35.9340, 0.2851, 0.5462
Android (android.graphics.Color)	4278238018 (0xFF00BB42)
YUV	117.2930, -25.2874, -102.8660
Hunter-Lab	59.9450, -49.0520, 30.9841

Details

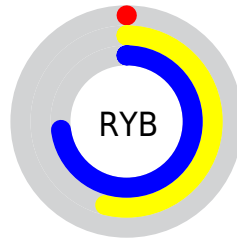
The Yxy color **35.9340, 0.2851, 0.5462** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **11.9618, 0.4344, 0.2168**, and the grayscale version is **18.0155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2334, 0.2953, 0.4984**, and **16.5113, 0.2992, 0.5971** is the 20% darker color. If you saturate the color by 10%, you get **35.9305, 0.2852, 0.5466**, and if you desaturate by 10%, it is **36.2306, 0.2821, 0.5262**.

Distribution



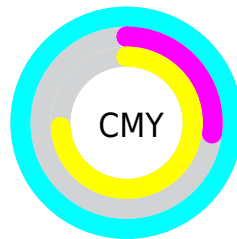
- Red (0%)
- Green (73%)
- Blue (26%)



- Red (0%)
- Yellow (54%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (27%)




- Cyan (100%)
- Magenta (27%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9340, 0.2851, 0.5462 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 35.9340, 0.2851, 0.5462 by changing the saturation by 10% instead.


 35.9340, 0.2851,
0.5462

 35.9340, 0.2851,
0.5462


 328.6720, 0.3068,
0.4236


 24.3832, 0.2761,
0.5806


 68.9302, 0.2954,
0.4986

 15.6181, 0.2622,
0.6261


 91.1444, 0.2985,
0.4816


 9.2544, 0.2392,
0.6875


 117.6819, 0.3009,
0.4676

 4.9075, 0.2057,
0.7943

 148.9270, 0.3026,
0.4559

 2.1931, 0.0686,
0.9314

 185.2642, 0.3041,
0.4460

 0.7162, 0.0000,
1.0000

 227.0778, 0.3052,

 0.0000, 0.0000,

0.4374

0.0000

274.7523, 0.3061,
0.4301

■ 35.9340, 0.2851,
0.5462

■ 35.9340, 0.2851,
0.5462

■ 35.9305, 0.2852,
0.5466

■ 36.2306, 0.2821,
0.5262

■ 36.6896, 0.2803,
0.5037

■ 37.3603, 0.2803,
0.4794

■ 38.2679, 0.2820,
0.4544

■ 39.4339, 0.2852,
0.4296

■ 40.8773, 0.2896,
0.4059

■ 42.6151, 0.2948,
0.3837

■ 44.6630, 0.3006,
0.3633

■ 47.0357, 0.3067,
0.3450

Harmonies

Analogous

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



35.9340, 0.3919, 0.5440



35.9340, 0.2851, 0.5462



35.9340, 0.1907, 0.4318

Triad

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



35.9340, 0.2851, 0.5462



35.9340, 0.1445, 0.1657



35.9340, 0.5259, 0.3128

Complementary

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



35.9340, 0.2851, 0.5462



11.9618, 0.4344, 0.2168

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.



35.9340, 0.4281, 0.2448



35.9340, 0.2851, 0.5462



35.9340, 0.2017, 0.1646

Square

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



35.9340, 0.2851, 0.5462



35.9340, 0.1234, 0.2021



35.9340, 0.3010, 0.1922



35.9340, 0.5426, 0.3882

Rectangle

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



35.9340, 0.2851, 0.5462



35.9340, 0.1493, 0.3328



35.9340, 0.3010, 0.1922



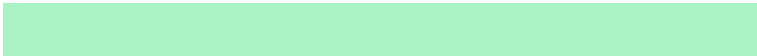
35.9340, 0.5009, 0.2892

Sweetspot

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



35.9355, 0.2851, 0.5462



76.0980, 0.2944, 0.3851



39.6545, 0.3591, 0.5530



16.4565, 0.2921, 0.3943



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



35.9355, 0.2851, 0.5462



64.3120, 0.2859, 0.5494



38.0456, 0.2380, 0.3769



10.7036, 0.3069, 0.3442



24.7694, 0.2845, 0.5443



0.9828, 0.2704, 0.4933

Inverse Universe

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



11.9618, 0.4344, 0.2168



21.3581, 0.4369, 0.2181



10.6578, 0.6191, 0.3186



9.6377, 0.3190, 0.3142



8.2486, 0.4329, 0.2158



0.3351, 0.3997, 0.1975

Previews

White Background



This preview shows how the Yxy color 35.9340, 0.2851, 0.5462 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 35.9340, 0.2851, 0.5462 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 35.9340, 0.2851, 0.5462

Background



This preview shows how black text looks on a background with the Yxy color 35.9340, 0.2851, 0.5462.



This preview shows how white text looks on a background with the Yxy color 35.9340, 0.2851, 0.5462.

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

35.9340, 0.2851, 0.5462

Protanopia

35.3892, 0.4183, 0.4609

Deuteranopia

35.3241, 0.4325, 0.4241



Tritanopia

35.8299, 0.2346, 0.3066

Trichromacy



Original Color

35.9340, 0.2851, 0.5462



Protanomaly

32.6747, 0.3436, 0.5062



Deuteranomaly

31.8269, 0.3508, 0.4800



Tritanomaly

34.8822, 0.2508, 0.3911

Monochromacy



Original Color

35.9340, 0.2851, 0.5462



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

21.7237, 0.2871, 0.4220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9340, 0.2851, 0.5462 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, 187, 66)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 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, 187, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 66) }
```

Border

The CSS property to change the border of an element to Yxy 35.9340, 0.2851, 0.5462 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, 187, 66) }
```

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

```
.border{ border-color:rgb(0, 187, 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, 187, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 66);  
box-shadow:4px 4px 4px 4px rgb(0, 187, 66)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.9340, 0.2851, 0.5462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 66) }
```

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

```
.background{ background-color: rgb(0, 187,  
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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