

Converting Colors

$Y_{xy}(35.6030, 0.2840, 0.5424)$

Have a look what the booklet for
Yxy(35.6030, 0.2840, 0.5424)
contains.

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Color

Yxy(35.5352, 0.2841, 0.5426)

Conversions

Conversions Part 1

Format	Color
Hex	00BA44
RGB	0, 186, 68
RGB Percent	0%, 73%, 27%
CMY	0.9986, 0.2706, 0.7333
CMYK	1.00, 0.00, 0.63, 0.27
HSL	142°, 100%, 37%
HSV	142°, 100%, 73%
XYZ	18.6059, 35.5352, 11.3495
YIQ	116.9340, -72.9780, -76.1300

Conversions

Conversions Part 2

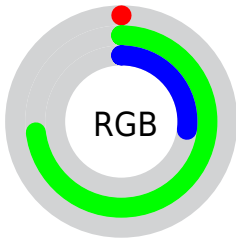
Format	Color
RYB	0, 136, 186
Decimal	47684
CIELab	66.16, -63.83, 47.54
CIELCh	66, 79.589, 143.325
Yxy	35.5352, 0.2841, 0.5426
Android (android.graphics.Color)	4278237764 (0xFF00BA44)
YUV	116.9340, -24.1245, -102.5511
Hunter-Lab	59.6114, -48.6066, 30.4397

Details

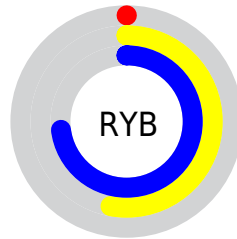
The Yxy color **35.5352, 0.2841, 0.5426** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **11.7623, 0.4394, 0.2195**, and the grayscale version is **17.8952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9986, 0.2944, 0.4958**, and **16.2523, 0.2982, 0.5935** is the 20% darker color. If you saturate the color by 10%, you get **35.5317, 0.2842, 0.5430**, and if you desaturate by 10%, it is **35.8316, 0.2810, 0.5226**.

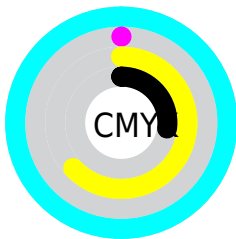
Distribution



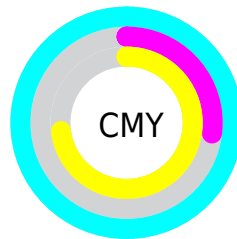
- Red (0%)
- Green (73%)
- Blue (27%)



- Red (0%)
- Yellow (53%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5352, 0.2841, 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 35.5352, 0.2841, 0.5426 by changing the saturation by 10% instead.


 35.5352, 0.2841,
0.5426


 35.5352, 0.2841,
0.5426


326.9244, 0.3061,
0.4218


 24.0754, 0.2752,
0.5767


 68.3141, 0.2944,
0.4956


 15.3896, 0.2613,
0.6220


 90.4019, 0.2976,
0.4788


 9.0933, 0.2385,
0.6835


 116.8013, 0.2999,
0.4650

 4.8021, 0.2061,
0.7939

 147.8966, 0.3018,
0.4535

 2.1316, 0.0626,
0.9374

 184.0721, 0.3032,
0.4437

 0.6823, 0.0000,
1.0000

 225.7123, 0.3044,

 0.0000, 0.0000,

0.4354

0.0000

273.2016, 0.3053,
0.4281

■ 35.5352, 0.2841,
0.5426

■ 35.5352, 0.2841,
0.5426

■ 35.5317, 0.2842,
0.5430

■ 35.8316, 0.2810,
0.5226

■ 36.2871, 0.2793,
0.5003

■ 36.9508, 0.2794,
0.4764

■ 37.8473, 0.2811,
0.4518

■ 38.9977, 0.2844,
0.4275

■ 40.4205, 0.2889,
0.4042

■ 42.1327, 0.2943,
0.3825

■ 44.1497, 0.3002,
0.3626

■ 46.4857, 0.3065,
0.3447

Harmonies

Analogous

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



35.5352, 0.3901, 0.5428



35.5352, 0.2841, 0.5426



35.5352, 0.1908, 0.4283

Triad

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



35.5352, 0.2841, 0.5426



35.5352, 0.1464, 0.1668



35.5352, 0.5247, 0.3144

Complementary

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



35.5352, 0.2841, 0.5426



11.7623, 0.4394, 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.



35.5352, 0.4289, 0.2466



35.5352, 0.2841, 0.5426



35.5352, 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.



35.5352, 0.2841, 0.5426



35.5352, 0.1248, 0.2024



35.5352, 0.3030, 0.1939



35.5352, 0.5402, 0.3895

Rectangle

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



35.5352, 0.2841, 0.5426



35.5352, 0.1500, 0.3309



35.5352, 0.3030, 0.1939



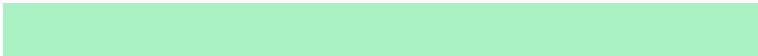
35.5352, 0.5003, 0.2908

Sweetspot

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



35.5367, 0.2841, 0.5426



76.1404, 0.2939, 0.3839



39.1841, 0.3591, 0.5529



16.4667, 0.2916, 0.3930



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.



35.5367, 0.2841, 0.5426



64.3627, 0.2850, 0.5458



37.5929, 0.2380, 0.3768



10.1128, 0.3068, 0.3439



23.9186, 0.2835, 0.5405



0.8553, 0.2682, 0.4855

Inverse Universe

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



11.7623, 0.4394, 0.2195



21.2530, 0.4421, 0.2209



10.5312, 0.6190, 0.3185



9.1057, 0.3192, 0.3146



7.9211, 0.4378, 0.2185



0.2907, 0.4004, 0.1979

Previews

White Background



This preview shows how the Yxy color 35.5352, 0.2841, 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 35.5352, 0.2841, 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 35.5352, 0.2841, 0.5426

Background



This preview shows how black text looks on a background with the Yxy color 35.5352, 0.2841, 0.5426.



This preview shows how white text looks on a background with the Yxy color 35.5352, 0.2841, 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

35.5352, 0.2841, 0.5426

Protanopia

34.9435, 0.4170, 0.4586

Deuteranopia

34.8768, 0.4315, 0.4224



Tritanopia

35.3988, 0.2348, 0.3065

Trichromacy



Original Color

35.5352, 0.2841, 0.5426



Protanomaly

32.2568, 0.3420, 0.5032



Deuteranomaly

31.4053, 0.3496, 0.4780



Tritanomaly

34.4828, 0.2505, 0.3895

Monochromacy



Original Color

35.5352, 0.2841, 0.5426



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

21.7427, 0.2863, 0.4198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5352, 0.2841, 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, 186, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 68)  
}
```

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, 186, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 68) }
```

Border

The CSS property to change the border of an element to Yxy 35.5352, 0.2841, 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, 186, 68) }
```

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

```
.border{ border-color:rgb(0, 186, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 186, 68)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.5352, 0.2841, 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, 186, 68) }
```

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

```
.background{ background-color: rgb(0, 186,  
68) }
```

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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