

Converting Colors

$Y_{xy}(35.6122, 0.2836, 0.5410)$

Have a look what the booklet for
Yxy(35.6122, 0.2836, 0.5410)
contains.

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Color

$\text{Yxy}(35.5475, 0.2837, 0.5411)$

Conversions

Conversions Part 1

Format	Color
Hex	00BA45
RGB	0, 186, 69
RGB Percent	0%, 73%, 27%
CMY	0.9981, 0.2706, 0.7294
CMYK	1.00, 0.00, 0.63, 0.27
HSL	142°, 99%, 37%
HSV	142°, 100%, 73%
XYZ	18.6376, 35.5475, 11.5097
YIQ	117.0480, -73.2990, -75.8190

Conversions

Conversions Part 2

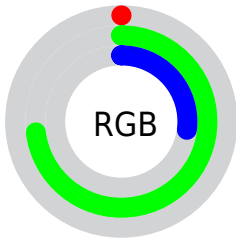
Format	Color
RYB	0, 136, 186
Decimal	47685
CIELab	66.17, -63.71, 47.11
CIELCh	66, 79.237, 143.518
Yxy	35.5475, 0.2837, 0.5411
Android (android.graphics.Color)	4278237765 (0xFF00BA45)
YUV	117.0480, -23.6877, -102.6511
Hunter-Lab	59.6217, -48.5393, 30.2895

Details

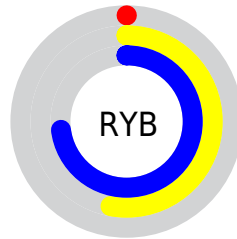
The Yxy color **35.5475, 0.2837, 0.5411** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **11.7447, 0.4412, 0.2206**, and the grayscale version is **17.9437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0230, 0.2940, 0.4946**, and **16.2568, 0.2978, 0.5921** is the 20% darker color. If you saturate the color by 10%, you get **35.5420, 0.2838, 0.5416**, and if you desaturate by 10%, it is **35.8455, 0.2806, 0.5211**.

Distribution



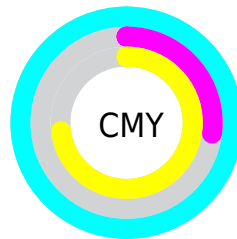
- Red (0%)
- Green (73%)
- Blue (27%)



- 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 35.5475, 0.2837, 0.5411 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 35.5475, 0.2837, 0.5411 by changing the saturation by 10% instead.

 35.5475, 0.2837,
0.5411


 35.5475, 0.2837,
0.5411


 326.9784, 0.3058,
0.4212

 24.0849, 0.2748,
0.5750


 68.3331, 0.2940,
0.4944


 15.3966, 0.2610,
0.6201


 90.4249, 0.2972,
0.4777


 9.0982, 0.2384,
0.6814


 116.8285, 0.2996,
0.4640

 4.8053, 0.2066,
0.7934

 147.9284, 0.3014,
0.4526

 2.1335, 0.0642,
0.9358

 184.1089, 0.3029,
0.4429

 0.6834, 0.0000,
1.0000

 225.7545, 0.3040,

 0.0000, 0.0000,

0.4346

0.0000

273.2496, 0.3050,
0.4274

■ 35.5475, 0.2837,
0.5411

■ 35.5475, 0.2837,
0.5411

■ 35.5420, 0.2838,
0.5416

■ 35.8455, 0.2806,
0.5211

■ 36.3031, 0.2789,
0.4989

■ 36.9685, 0.2790,
0.4750

■ 37.8665, 0.2808,
0.4506

■ 39.0180, 0.2842,
0.4265

■ 40.4416, 0.2887,
0.4035

■ 42.1542, 0.2941,
0.3819

■ 44.1710, 0.3001,
0.3622

■ 46.5064, 0.3065,
0.3444

Harmonies

Analogous

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



35.5475, 0.3894, 0.5423



35.5475, 0.2837, 0.5411



35.5475, 0.1909, 0.4269

Triad

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



35.5475, 0.2837, 0.5411



35.5475, 0.1472, 0.1672



35.5475, 0.5241, 0.3151

Complementary

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



35.5475, 0.2837, 0.5411



11.7447, 0.4412, 0.2206

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.



35.5475, 0.4292, 0.2473



35.5475, 0.2837, 0.5411



35.5475, 0.2048, 0.1667

Square

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



35.5475, 0.2837, 0.5411



35.5475, 0.1255, 0.2026



35.5475, 0.3039, 0.1947



35.5475, 0.5392, 0.3900

Rectangle

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



35.5475, 0.2837, 0.5411



35.5475, 0.1503, 0.3301



35.5475, 0.3039, 0.1947



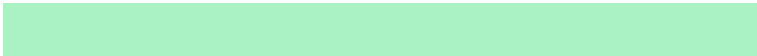
35.5475, 0.5000, 0.2915

Sweetspot

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



35.5490, 0.2837, 0.5411



76.1565, 0.2937, 0.3835



38.9670, 0.3565, 0.5550



16.4706, 0.2913, 0.3925



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.



35.5490, 0.2837, 0.5411



64.3825, 0.2846, 0.5445



37.7016, 0.2365, 0.3712



10.1135, 0.3067, 0.3438



23.9261, 0.2831, 0.5392



0.8556, 0.2679, 0.4843

Inverse Universe

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



11.7447, 0.4412, 0.2206



21.2139, 0.4441, 0.2220



10.5203, 0.6222, 0.3204



9.1049, 0.3192, 0.3147



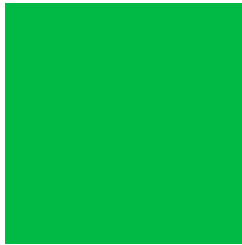
7.9068, 0.4397, 0.2196



0.2902, 0.4016, 0.1986

Previews

White Background



This preview shows how the Yxy color 35.5475, 0.2837, 0.5411 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 35.5475, 0.2837, 0.5411 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

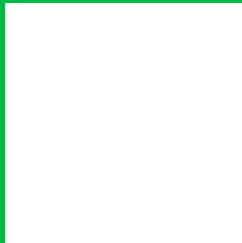
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.5475, 0.2837, 0.5411

Background



This preview shows how black text looks on a background with the Yxy color 35.5475, 0.2837, 0.5411.



This preview shows how white text looks on a background with the Yxy color 35.5475, 0.2837, 0.5411.

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

35.5475, 0.2837, 0.5411

Protanopia

34.9435, 0.4170, 0.4586

Deuteranopia

34.7567, 0.4297, 0.4218



Tritanopia

35.3988, 0.2348, 0.3065

Trichromacy



Original Color

35.5475, 0.2837, 0.5411



Protanomaly

32.2568, 0.3420, 0.5032



Deuteranomaly

31.4189, 0.3489, 0.4765



Tritanomaly

34.5135, 0.2499, 0.3876

Monochromacy



Original Color

35.5475, 0.2837, 0.5411



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

21.7620, 0.2855, 0.4176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5475, 0.2837, 0.5411 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 69) }
```

Border

The CSS property to change the border of an element to Yxy 35.5475, 0.2837, 0.5411 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, 69) }
```

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

```
.border{ border-color:rgb(0, 186, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 186, 69)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.5475, 0.2837, 0.5411 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, 69) }
```

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

```
.background{ background-color: rgb(0, 186,  
69) }
```

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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