

Converting Colors

$Y_{xy}(31.5860, 0.2935, 0.5766)$

Have a look what the booklet for
Yxy(31.5860, 0.2935, 0.5766)
contains.

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Color

Yxy(31.5842, 0.2936, 0.5770)

Conversions

Conversions Part 1

Format	Color
Hex	00B126
RGB	0, 177, 38
RGB Percent	0%, 69%, 15%
CMY	1.0000, 0.3059, 0.8510
CMYK	1.00, 0.00, 0.79, 0.31
HSL	133°, 100%, 35%
HSV	133°, 100%, 69%
XYZ	16.0713, 31.5842, 7.0832
YIQ	108.2310, -60.8730, -80.7530

Conversions

Conversions Part 2

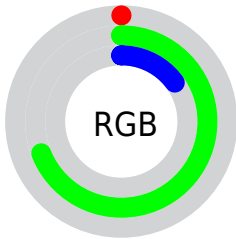
Format	Color
RYB	0, 146, 177
Decimal	45350
CIELab	63.00, -64.02, 55.77
CIELCh	63, 84.903, 138.942
Yxy	31.5842, 0.2936, 0.5770
Android (android.graphics.Color)	4278235430 (0xFF00B126)
YUV	108.2310, -34.6239, -94.9186
Hunter-Lab	56.1998, -47.3047, 31.8672

Details

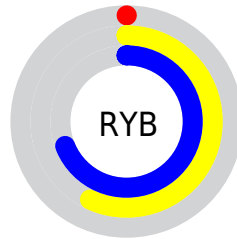
The Yxy color **31.5842, 0.2936, 0.5770** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.2116, 0.3838, 0.1888**, and the grayscale version is **15.1775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1406, 0.3046, 0.5218**, and **14.1659, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **31.5860, 0.2936, 0.5770**, and if you desaturate by 10%, it is **31.8188, 0.2914, 0.5591**.

Distribution



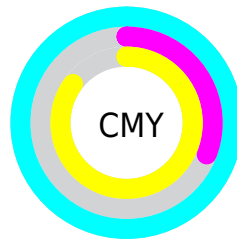
- Red (0%)
- Green (69%)
- Blue (15%)



- Red (0%)
- Yellow (57%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (31%)




- Cyan (100%)
- Magenta (31%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5842, 0.2936, 0.5770 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 31.5842, 0.2936, 0.5770 by changing the saturation by 10% instead.


 31.5842, 0.2936,
0.5770


 31.5842, 0.2936,
0.5770


309.2208, 0.3140,
0.4354


 21.0441, 0.2831,
0.6163


 62.1587, 0.3046,
0.5219

 13.1562, 0.2657,
0.6673


 82.9618, 0.3076,
0.5022

 7.5362, 0.2415,
0.7507


 107.9548, 0.3097,
0.4860

 3.7997, 0.1841,
0.8159

 137.5220, 0.3111,
0.4725

 1.5621, 0.0000,
1.0000

 172.0478, 0.3122,
0.4610

 0.3319, 0.0000,
1.0000

 211.9166, 0.3130,

 0.0000, 0.0000,

0.4512

0.0000

257.5128, 0.3136,
0.4428

■ 31.5842, 0.2936,
0.5770

■ 31.5842, 0.2936,
0.5770

■ 31.5860, 0.2936,
0.5770

■ 31.8188, 0.2914,
0.5591

■ 32.2015, 0.2900,
0.5364

■ 32.7805, 0.2898,
0.5099

■ 33.5792, 0.2910,
0.4811

■ 34.6175, 0.2933,
0.4517

■ 35.9131, 0.2964,
0.4230

■ 37.4818, 0.3002,
0.3959

■ 39.3383, 0.3043,
0.3711

■ 41.4962, 0.3085,
0.3488

Harmonies

Analogous

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



31.5842, 0.4070, 0.5515



31.5842, 0.2936, 0.5770



31.5842, 0.1902, 0.4645

Triad

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



31.5842, 0.2936, 0.5770



31.5842, 0.1286, 0.1567



31.5842, 0.5361, 0.2988

Complementary

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



31.5842, 0.2936, 0.5770



11.2116, 0.3838, 0.1888

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.



31.5842, 0.4203, 0.2293



31.5842, 0.2936, 0.5770



31.5842, 0.1826, 0.1521

Square

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



31.5842, 0.2936, 0.5770



31.5842, 0.1108, 0.1994



31.5842, 0.2825, 0.1772



31.5842, 0.5632, 0.3759

Rectangle

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



31.5842, 0.2936, 0.5770



31.5842, 0.1431, 0.3516



31.5842, 0.2825, 0.1772



31.5842, 0.5052, 0.2746

Sweetspot

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



31.5860, 0.2936, 0.5770



66.9687, 0.3000, 0.3973



37.1618, 0.3845, 0.5329



14.2522, 0.2984, 0.4082



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



31.5860, 0.2936, 0.5770



56.5398, 0.2943, 0.5793



32.8988, 0.2526, 0.4294



9.5190, 0.3088, 0.3474



22.8915, 0.2932, 0.5754



0.7288, 0.2785, 0.5226

Inverse Universe

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



11.2116, 0.3838, 0.1888



20.0447, 0.3850, 0.1895



9.6056, 0.5755, 0.2944



8.6149, 0.3169, 0.3113



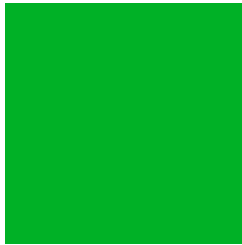
8.1319, 0.3829, 0.1883



0.2637, 0.3626, 0.1771

Previews

White Background



This preview shows how the Yxy color 31.5842, 0.2936, 0.5770 looks on a white background.

Color Contrast Check

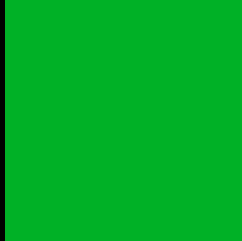
Large Text (above 18pt) WCAG AA × Fail

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 31.5842, 0.2936, 0.5770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

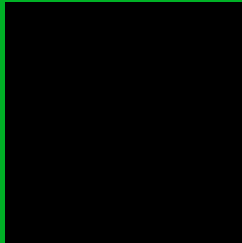
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

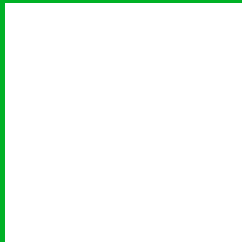
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.5842, 0.2936, 0.5770

Background



This preview shows how black text looks on a background with the Yxy color 31.5842, 0.2936, 0.5770.



This preview shows how white text looks on a background with the Yxy color 31.5842, 0.2936, 0.5770.

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

31.5842, 0.2936, 0.5770

Protanopia

31.1068, 0.4314, 0.4781

Deuteranopia

31.0224, 0.4494, 0.4412



Tritanopia

31.5411, 0.2360, 0.3071

Trichromacy



Original Color

31.5842, 0.2936, 0.5770



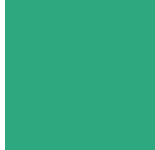
Protanomaly

28.7934, 0.3554, 0.5325



Deuteranomaly

27.9834, 0.3648, 0.5062



Tritanomaly

30.4891, 0.2567, 0.4088

Monochromacy



Original Color

31.5842, 0.2936, 0.5770



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

18.6648, 0.2939, 0.4423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5842, 0.2936, 0.5770 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, 177, 38)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 38)  
}
```

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, 177, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 38) }
```

Border

The CSS property to change the border of an element to Yxy 31.5842, 0.2936, 0.5770 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, 177, 38) }
```

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

```
.border{ border-color:rgb(0, 177, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 38);  
box-shadow:4px 4px 4px 4px rgb(0, 177, 38)  
}
```


Background

The CSS property to change the background color of an element to Yxy 31.5842, 0.2936, 0.5770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 38) }
```

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

```
.background{ background-color: rgb(0, 177,  
38) }
```

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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