

Converting Colors

$Yxy(30.3464, 0.2566, 0.5411)$

Have a look what the booklet for
Yxy(30.3464, 0.2566, 0.5411)
contains.

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Color

Yxy(31.5317, 0.2799, 0.5276)

Conversions

Conversions Part 1

Format	Color
Hex	00B049
RGB	0, 176, 73
RGB Percent	0%, 69%, 29%
CMY	0.9997, 0.3098, 0.7138
CMYK	1.00, 0.00, 0.59, 0.31
HSL	145°, 100%, 35%
HSV	145°, 100%, 69%
XYZ	16.7281, 31.5317, 11.5046
YIQ	111.6340, -71.8330, -69.3450

Conversions

Conversions Part 2

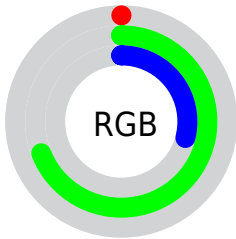
Format	Color
RYB	0, 124, 176
Decimal	45129
CIELab	62.95, -60.12, 41.58
CIELCh	63, 73.092, 145.332
Yxy	31.5317, 0.2799, 0.5276
Android (android.graphics.Color)	4278235209 (0xFF00B049)
YUV	111.6340, -19.0466, -97.9030
Hunter-Lab	56.1531, -45.0926, 27.1598

Details

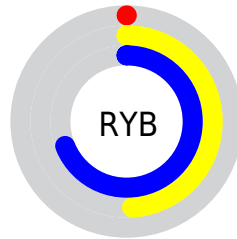
The Yxy color **31.5317, 0.2799, 0.5276** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **10.2131, 0.4593, 0.2304**, and the grayscale version is **16.1695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1382, 0.2903, 0.4816**, and **13.9732, 0.2944, 0.5798** is the 20% darker color. If you saturate the color by 10%, you get **31.5320, 0.2799, 0.5277**, and if you desaturate by 10%, it is **31.8062, 0.2770, 0.5080**.

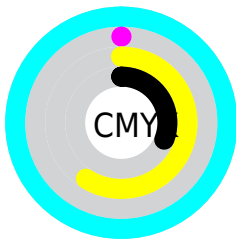
Distribution



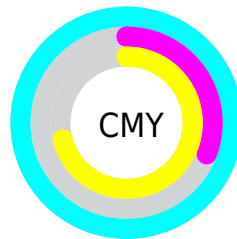
- Red (0%)
- Green (69%)
- Blue (29%)



- Red (0%)
- Yellow (49%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5317, 0.2799, 0.5276 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 31.5317, 0.2799, 0.5276 by changing the saturation by 10% instead.


 31.5317, 0.2799,
0.5276


 31.5317, 0.2799,
0.5276


308.9804, 0.3033,
0.4132

 21.0041, 0.2708,
0.5612


 62.0762, 0.2906,
0.4823

 13.1270, 0.2567,
0.6069


 82.8619, 0.2939,
0.4664

 7.5160, 0.2333,
0.6712


 107.8357, 0.2964,
0.4534

 3.7869, 0.2009,
0.7991

 137.3820, 0.2984,
0.4426

 1.5551, 0.0000,
1.0000

 171.8852, 0.3000,
0.4335

 0.3270, 0.0000,
1.0000

 211.7298, 0.3013,

 0.0000, 0.0000,

0.4258

0.0000

257.3001, 0.3024,
0.4191

■ 31.5317, 0.2799,
0.5276

■ 31.5317, 0.2799,
0.5276

■ 31.5320, 0.2799,
0.5277

■ 31.8062, 0.2770,
0.5080

■ 32.2147, 0.2754,
0.4866

■ 32.8026, 0.2757,
0.4642

■ 33.5911, 0.2778,
0.4415

■ 34.5983, 0.2815,
0.4193

■ 35.8401, 0.2864,
0.3980

■ 37.3311, 0.2923,
0.3782

■ 39.0845, 0.2988,
0.3600

■ 41.1126, 0.3057,
0.3436

Harmonies

Analogous

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



31.5317, 0.3826, 0.5376



31.5317, 0.2799, 0.5276



31.5317, 0.1912, 0.4143

Triad

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



31.5317, 0.2799, 0.5276



31.5317, 0.1543, 0.1712



31.5317, 0.5194, 0.3209

Complementary

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



31.5317, 0.2799, 0.5276



10.2131, 0.4593, 0.2304

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.



31.5317, 0.4318, 0.2539



31.5317, 0.2799, 0.5276



31.5317, 0.2131, 0.1723

Square

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



31.5317, 0.2799, 0.5276



31.5317, 0.1311, 0.2039



31.5317, 0.3115, 0.2012



31.5317, 0.5303, 0.3948

Rectangle

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



31.5317, 0.2799, 0.5276



31.5317, 0.1531, 0.3231



31.5317, 0.3115, 0.2012



31.5317, 0.4976, 0.2976

Sweetspot

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



31.5330, 0.2799, 0.5276



67.5386, 0.2920, 0.3793



34.0934, 0.3514, 0.5592



14.3860, 0.2895, 0.3873



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.



31.5330, 0.2799, 0.5276



57.1440, 0.2808, 0.5308



33.5349, 0.2334, 0.3601



9.5466, 0.3062, 0.3426



23.1459, 0.2794, 0.5257



0.7400, 0.2634, 0.4681

Inverse Universe

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



10.2131, 0.4593, 0.2304



18.4724, 0.4624, 0.2321



9.2746, 0.6279, 0.3233



8.5859, 0.3199, 0.3157



7.5035, 0.4575, 0.2294



0.2474, 0.4100, 0.2032

Previews

White Background



This preview shows how the Yxy color 31.5317, 0.2799, 0.5276 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 31.5317, 0.2799, 0.5276 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 31.5317, 0.2799, 0.5276

Background



This preview shows how black text looks on a background with the Yxy color 31.5317, 0.2799, 0.5276.



This preview shows how white text looks on a background with the Yxy color 31.5317, 0.2799, 0.5276.

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

31.5317, 0.2799, 0.5276

Protanopia

30.8397, 0.4114, 0.4504

Deuteranopia

30.8700, 0.4220, 0.4135



Tritanopia

31.4670, 0.2341, 0.3054

Trichromacy



Original Color

31.5317, 0.2799, 0.5276



Protanomaly

28.6848, 0.3373, 0.4918



Deuteranomaly

28.1930, 0.3421, 0.4644



Tritanomaly

30.8273, 0.2484, 0.3828

Monochromacy



Original Color

31.5317, 0.2799, 0.5276



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

19.5494, 0.2827, 0.4104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5317, 0.2799, 0.5276 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, 176, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 73)  
}
```

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, 176, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 73) }
```

Border

The CSS property to change the border of an element to Yxy 31.5317, 0.2799, 0.5276 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, 176, 73) }
```

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

```
.border{ border-color:rgb(0, 176, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 176, 73)  
}
```


Background

The CSS property to change the background color of an element to Yxy 31.5317, 0.2799, 0.5276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 73) }
```

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

```
.background{ background-color: rgb(0, 176,  
73) }
```

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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