

Converting Colors

$Y_{xy}(27.7850, 0.1926, 0.4852)$

Have a look what the booklet for
Yxy(27.7850, 0.1926, 0.4852)
contains.

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Color

Yxy(31.3127, 0.2616, 0.4619)

Conversions

Conversions Part 1

Format	Color
Hex	00AE6A
RGB	0, 174, 106
RGB Percent	0%, 68%, 42%
CMY	1.0000, 0.3176, 0.5843
CMYK	1.00, 0.00, 0.39, 0.32
HSL	157°, 100%, 34%
HSV	157°, 100%, 68%
XYZ	17.7341, 31.3127, 18.7442
YIQ	114.2220, -81.8760, -58.0360

Conversions

Conversions Part 2

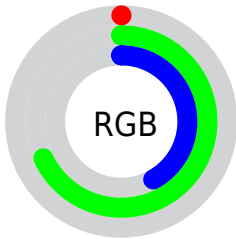
Format	Color
RYB	0, 108, 174
Decimal	44650
CIELab	62.77, -53.82, 24.55
CIELCh	63, 59.154, 155.476
Yxy	31.3127, 0.2616, 0.4619
Android (android.graphics.Color)	4278234730 (0xFF00AE6A)
YUV	114.2220, -4.0534, -100.1727
Hunter-Lab	55.9578, -41.3558, 19.3100

Details

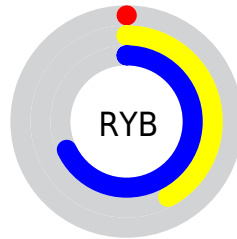
The Yxy color **31.3127, 0.2616, 0.4619** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.4172, 0.5405, 0.2751**, and the grayscale version is **16.9297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9476, 0.2737, 0.4319**, and **13.7384, 0.2722, 0.5000** is the 20% darker color. If you saturate the color by 10%, you get **31.3162, 0.2616, 0.4619**, and if you desaturate by 10%, it is **31.5862, 0.2598, 0.4472**.

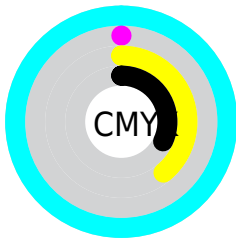
Distribution



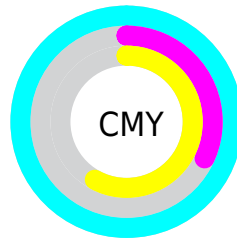
- Red (0%)
- Green (68%)
- Blue (42%)



- Red (0%)
- Yellow (42%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3127, 0.2616, 0.4619 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 31.3127, 0.2616, 0.4619 by changing the saturation by 10% instead.


 31.3127, 0.2616,
0.4619


 31.3127, 0.2616,
0.4619


307.9763, 0.2913,
0.3860

 20.8371, 0.2525,
0.4845


 61.7321, 0.2736,
0.4317

 13.0050, 0.2396,
0.5160


 82.4446, 0.2777,
0.4212


 7.4320, 0.2202,
0.5625


 107.3382, 0.2811,
0.4126

 3.7337, 0.1884,
0.6362

 136.7973, 0.2838,
0.4055

 1.5257, 0.0193,
0.9807

 171.2062, 0.2862,
0.3995

 0.3067, 0.0000,
1.0000

 210.9495, 0.2881,

 0.0000, 0.0000,

0.3944

0.0000

256.4114, 0.2899,
0.3899

■ 31.3127, 0.2616,
0.4619

■ 31.3127, 0.2616,
0.4619

■ 31.3162, 0.2616,
0.4619

■ 31.5862, 0.2598,
0.4472

■ 31.9759, 0.2594,
0.4323

■ 32.5278, 0.2611,
0.4172

■ 33.2621, 0.2647,
0.4023

■ 34.1956, 0.2700,
0.3879

■ 35.3434, 0.2768,
0.3742

■ 36.7190, 0.2848,
0.3613

■ 38.3347, 0.2936,
0.3495

■ 40.2020, 0.3030,
0.3387

Harmonies

Analogous

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



31.3127, 0.3481, 0.5043



31.3127, 0.2616, 0.4619



31.3127, 0.1940, 0.3614

Triad

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



31.3127, 0.2616, 0.4619



31.3127, 0.1918, 0.1921



31.3127, 0.4932, 0.3485

Complementary

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



31.3127, 0.2616, 0.4619



9.4172, 0.5405, 0.2751

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.



31.3127, 0.4395, 0.2862



31.3127, 0.2616, 0.4619



31.3127, 0.2550, 0.2010

Square

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



31.3127, 0.2616, 0.4619



31.3127, 0.1607, 0.2117



31.3127, 0.3461, 0.2342



31.3127, 0.4860, 0.4147

Rectangle

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



31.3127, 0.2616, 0.4619



31.3127, 0.1677, 0.2949



31.3127, 0.3461, 0.2342



31.3127, 0.4818, 0.3271

Sweetspot

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



31.3162, 0.2616, 0.4619



66.4540, 0.2843, 0.3620



31.5630, 0.3244, 0.5806



14.5315, 0.2809, 0.3672



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.



31.3162, 0.2616, 0.4619



56.7530, 0.2623, 0.4644



27.0379, 0.2160, 0.2974



9.0182, 0.3037, 0.3380



22.7232, 0.2612, 0.4603



0.6425, 0.2488, 0.4157

Inverse Universe

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



9.4172, 0.5405, 0.2751



17.0390, 0.5448, 0.2775



9.4131, 0.6317, 0.3366



8.0652, 0.3227, 0.3202



6.8405, 0.5376, 0.2735



0.2012, 0.4572, 0.2292

Previews

White Background



This preview shows how the Yxy color 31.3127, 0.2616, 0.4619 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 31.3127, 0.2616, 0.4619 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 31.3127, 0.2616, 0.4619

Background



This preview shows how black text looks on a background with the Yxy color 31.3127, 0.2616, 0.4619.



This preview shows how white text looks on a background with the Yxy color 31.3127, 0.2616, 0.4619.

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

31.3127, 0.2616, 0.4619

Protanopia

30.8888, 0.3795, 0.4108

Deuteranopia

30.9080, 0.3823, 0.3755



Tritanopia

31.2217, 0.2311, 0.3052

Trichromacy



Original Color

31.3127, 0.2616, 0.4619



Protanomaly

28.6594, 0.3112, 0.4370



Deuteranomaly

28.4134, 0.3117, 0.4116



Tritanomaly

30.7234, 0.2394, 0.3580

Monochromacy



Original Color

31.3127, 0.2616, 0.4619



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

20.1725, 0.2733, 0.3823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3127, 0.2616, 0.4619 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, 174, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 106)  
}
```

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, 174, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 106) }
```

Border

The CSS property to change the border of an element to Yxy 31.3127, 0.2616, 0.4619 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, 174, 106) }
```

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

```
.border{ border-color:rgb(0, 174, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3127, 0.2616, 0.4619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 106) }
```

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

```
.background{ background-color: rgb(0, 174,  
106) }
```

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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