

Converting Colors

$Yxy(31.4138, 0.2530, 0.4306)$

Have a look what the booklet for
Yxy(31.4138, 0.2530, 0.4306)
contains.

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Color

Yxy(31.2676, 0.2526, 0.4294)

Conversions

Conversions Part 1

Format	Color
Hex	00AD79
RGB	0, 173, 121
RGB Percent	0%, 68%, 47%
CMY	1.0000, 0.3215, 0.5255
CMYK	1.00, 0.00, 0.30, 0.32
HSL	162°, 100%, 34%
HSV	162°, 100%, 68%
XYZ	18.3936, 31.2676, 23.1558
YIQ	115.3450, -86.4160, -52.8480

Conversions

Conversions Part 2

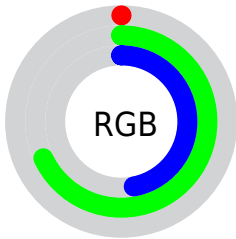
Format	Color
RYB	0, 102, 173
Decimal	44409
CIELab	62.73, -50.16, 16.37
CIELCh	63, 52.759, 161.928
Yxy	31.2676, 0.2526, 0.4294
Android (android.graphics.Color)	4278234489 (0xFF00AD79)
YUV	115.3450, 2.7879, -101.1576
Hunter-Lab	55.9174, -39.1395, 14.5898

Details

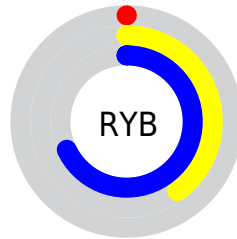
The Yxy color **31.2676, 0.2526, 0.4294** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.1328, 0.5749, 0.2941**, and the grayscale version is **17.2666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4218, 0.2654, 0.4058**, and **13.6615, 0.2607, 0.4586** is the 20% darker color. If you saturate the color by 10%, you get **31.2697, 0.2526, 0.4294**, and if you desaturate by 10%, it is **31.5227, 0.2515, 0.4182**.

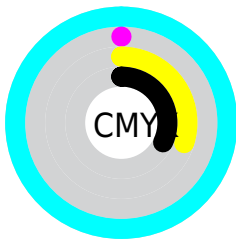
Distribution



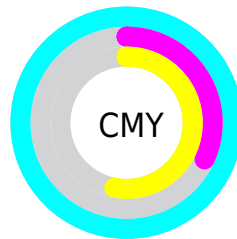
- Red (0%)
- Green (68%)
- Blue (47%)



- Red (0%)
- Yellow (40%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2676, 0.2526, 0.4294 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 31.2676, 0.2526, 0.4294 by changing the saturation by 10% instead.


 31.2676, 0.2526,
0.4294


 31.2676, 0.2526,
0.4294


307.7693, 0.2860,
0.3728

 20.8027, 0.2430,
0.4460


 61.6611, 0.2656,
0.4071

 12.9799, 0.2299,
0.4691


 82.3586, 0.2702,
0.3993

 7.4147, 0.2109,
0.5031


 107.2356, 0.2740,
0.3928

 3.7228, 0.1814,
0.5575

 136.6767, 0.2772,
0.3875

 1.5197, 0.0570,
0.7502

 171.0662, 0.2799,
0.3830

 0.3025, 0.0000,
1.0000

 210.7886, 0.2822,

 0.0000, 0.0000,

0.3791

0.0000

256.2281, 0.2842,
0.3758

■ 31.2676, 0.2526,
0.4294

■ 31.2676, 0.2526,
0.4294

■ 31.2697, 0.2526,
0.4294

■ 31.5227, 0.2515,
0.4182

■ 31.8891, 0.2520,
0.4069

■ 32.4113, 0.2544,
0.3956

■ 33.1088, 0.2587,
0.3844

■ 33.9982, 0.2648,
0.3736

■ 35.0941, 0.2724,
0.3633

■ 36.4097, 0.2813,
0.3536

■ 37.9571, 0.2912,
0.3447

■ 39.7474, 0.3017,
0.3364

Harmonies

Analogous

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



31.2676, 0.3296, 0.4819



31.2676, 0.2526, 0.4294



31.2676, 0.1962, 0.3387

Triad

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



31.2676, 0.2526, 0.4294



31.2676, 0.2129, 0.2037



31.2676, 0.4779, 0.3621

Complementary

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



31.2676, 0.2526, 0.4294



9.1328, 0.5749, 0.2941

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.



31.2676, 0.4404, 0.3030



31.2676, 0.2526, 0.4294



31.2676, 0.2773, 0.2169

Square

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



31.2676, 0.2526, 0.4294



31.2676, 0.1775, 0.2166



31.2676, 0.3621, 0.2519



31.2676, 0.4624, 0.4224

Rectangle

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



31.2676, 0.2526, 0.4294



31.2676, 0.1761, 0.2833



31.2676, 0.3621, 0.2519



31.2676, 0.4714, 0.3419

Sweetspot

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



31.2697, 0.2526, 0.4294



65.0703, 0.2808, 0.3541



30.6952, 0.3159, 0.5874



13.9241, 0.2771, 0.3580



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



31.2697, 0.2526, 0.4294



55.9592, 0.2531, 0.4313



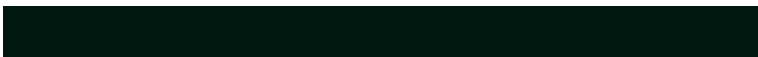
22.1520, 0.2082, 0.2696



9.0304, 0.3025, 0.3359



22.9812, 0.2523, 0.4282



0.6484, 0.2429, 0.3944

Inverse Universe

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



9.1328, 0.5749, 0.2941



16.3219, 0.5792, 0.2964



9.9027, 0.6199, 0.3460



8.0535, 0.3241, 0.3222



6.7180, 0.5721, 0.2925



0.1967, 0.4862, 0.2452

Previews

White Background



This preview shows how the Yxy color 31.2676, 0.2526, 0.4294 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 31.2676, 0.2526, 0.4294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

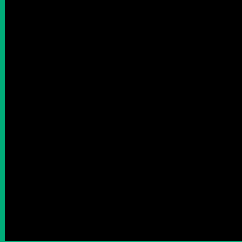
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2676, 0.2526, 0.4294

Background



This preview shows how black text looks on a background with the Yxy color 31.2676, 0.2526, 0.4294.



This preview shows how white text looks on a background with the Yxy color 31.2676, 0.2526, 0.4294.

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

31.2676, 0.2526, 0.4294

Protanopia

30.9623, 0.3637, 0.3905

Deuteranopia

30.7818, 0.3629, 0.3556



Tritanopia

31.4267, 0.2296, 0.3068

Trichromacy



Original Color

31.2676, 0.2526, 0.4294



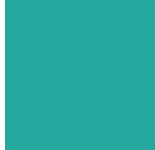
Protanomaly

28.9176, 0.2983, 0.4091



Deuteranomaly

28.3029, 0.2971, 0.3825



Tritanomaly

31.2379, 0.2357, 0.3485

Monochromacy



Original Color

31.2676, 0.2526, 0.4294



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

20.3091, 0.2682, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2676, 0.2526, 0.4294 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, 173, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 121)  
}
```

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, 173, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 121) }
```

Border

The CSS property to change the border of an element to Yxy 31.2676, 0.2526, 0.4294 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, 173, 121) }
```

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

```
.border{ border-color:rgb(0, 173, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2676, 0.2526, 0.4294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 121) }
```

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

```
.background{ background-color: rgb(0, 173,  
121) }
```

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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