

Converting Colors

$Y_{xy}(31.3499, 0.2546, 0.4367)$

Have a look what the booklet for
Yxy(31.3499, 0.2546, 0.4367)
contains.

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Color

Yxy(31.1951, 0.2543, 0.4356)

Conversions

Conversions Part 1

Format	Color
Hex	00AD76
RGB	0, 173, 118
RGB Percent	0%, 68%, 46%
CMY	1.0000, 0.3215, 0.5372
CMYK	1.00, 0.00, 0.32, 0.32
HSL	161°, 100%, 34%
HSV	161°, 100%, 68%
XYZ	18.2115, 31.1951, 22.2075
YIQ	115.0030, -85.4530, -53.7810

Conversions

Conversions Part 2

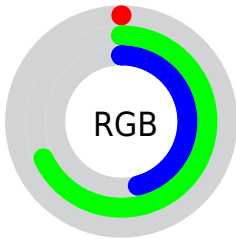
Format	Color
RYB	0, 103, 173
Decimal	44406
CIELab	62.67, -50.85, 17.91
CIELCh	63, 53.915, 160.593
Yxy	31.1951, 0.2543, 0.4356
Android (android.graphics.Color)	4278234486 (0xFF00AD76)
YUV	115.0030, 1.4775, -100.8576
Hunter-Lab	55.8526, -39.5397, 15.5225

Details

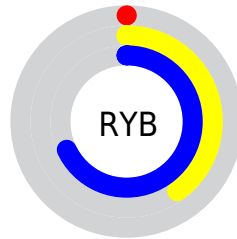
The Yxy color **31.1951, 0.2543, 0.4356** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.1607, 0.5686, 0.2906**, and the grayscale version is **17.1622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8231, 0.2676, 0.4129**, and **13.6233, 0.2632, 0.4674** is the 20% darker color. If you saturate the color by 10%, you get **31.1984, 0.2543, 0.4356**, and if you desaturate by 10%, it is **31.4550, 0.2531, 0.4237**.

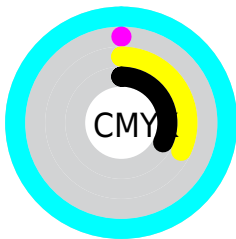
Distribution



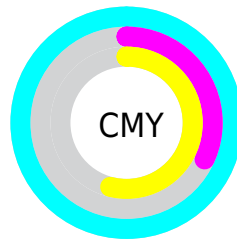
- Red (0%)
- Green (68%)
- Blue (46%)



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



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





- Cyan (100%)
- Magenta (32%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1951, 0.2543, 0.4356 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 31.1951, 0.2543, 0.4356 by changing the saturation by 10% instead.


 31.1951, 0.2543,
0.4356


 31.1951, 0.2543,
0.4356


307.4361, 0.2870,
0.3753


 20.7475, 0.2448,
0.4534


 61.5471, 0.2671,
0.4118


 12.9395, 0.2317,
0.4781


 82.2203, 0.2716,
0.4034


 7.3869, 0.2127,
0.5146

 107.0707, 0.2753,
0.3966

 3.7052, 0.1828,
0.5731

 136.4828, 0.2784,
0.3909

 1.5101, 0.0490,
0.8045

 170.8411, 0.2811,
0.3861

 0.2958, 0.0000,
1.0000

 210.5297, 0.2833,

 0.0000, 0.0000,

0.3820

0.0000

255.9333, 0.2853,
0.3784

■ 31.1951, 0.2543,
0.4356

■ 31.1951, 0.2543,
0.4356

■ 31.1984, 0.2543,
0.4356

■ 31.4550, 0.2531,
0.4237

■ 31.8257, 0.2534,
0.4117

■ 32.3530, 0.2557,
0.3997

■ 33.0564, 0.2599,
0.3878

■ 33.9525, 0.2658,
0.3763

■ 35.0560, 0.2733,
0.3654

■ 36.3801, 0.2820,
0.3551

■ 37.9368, 0.2917,
0.3456

■ 39.7374, 0.3020,
0.3369

Harmonies

Analogous

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



31.1951, 0.3332, 0.4865



31.1951, 0.2543, 0.4356



31.1951, 0.1958, 0.3429

Triad

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



31.1951, 0.2543, 0.4356



31.1951, 0.2087, 0.2014



31.1951, 0.4810, 0.3595

Complementary

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



31.1951, 0.2543, 0.4356



9.1607, 0.5686, 0.2906

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.



31.1951, 0.4404, 0.2997



31.1951, 0.2543, 0.4356



31.1951, 0.2729, 0.2137

Square

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



31.1951, 0.2543, 0.4356



31.1951, 0.1742, 0.2156



31.1951, 0.3591, 0.2484



31.1951, 0.4670, 0.4210

Rectangle

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



31.1951, 0.2543, 0.4356



31.1951, 0.1745, 0.2854



31.1951, 0.3591, 0.2484



31.1951, 0.4735, 0.3391

Sweetspot

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



31.1984, 0.2543, 0.4356



65.0147, 0.2815, 0.3556



30.7795, 0.3175, 0.5861



13.9107, 0.2778, 0.3597



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.



31.1984, 0.2543, 0.4356



55.8292, 0.2549, 0.4376



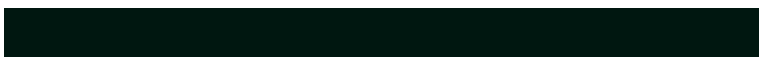
23.0162, 0.2098, 0.2753



9.0281, 0.3027, 0.3363



22.9285, 0.2540, 0.4343



0.6472, 0.2440, 0.3984

Inverse Universe

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



9.1607, 0.5686, 0.2906



16.3703, 0.5730, 0.2930



9.7557, 0.6227, 0.3438



8.0557, 0.3238, 0.3218



6.7387, 0.5658, 0.2891



0.1976, 0.4802, 0.2419

Previews

White Background



This preview shows how the Yxy color 31.1951, 0.2543, 0.4356 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 31.1951, 0.2543, 0.4356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

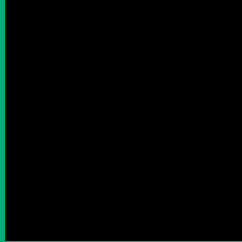
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1951, 0.2543, 0.4356

Background



This preview shows how black text looks on a background with the Yxy color 31.1951, 0.2543, 0.4356.



This preview shows how white text looks on a background with the Yxy color 31.1951, 0.2543, 0.4356.

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

31.1951, 0.2543, 0.4356

Protanopia

30.5768, 0.3671, 0.3936

Deuteranopia

30.7047, 0.3661, 0.3601



Tritanopia

31.0947, 0.2296, 0.3051

Trichromacy



Original Color

31.1951, 0.2543, 0.4356



Protanomaly

28.5071, 0.3007, 0.4132



Deuteranomaly

28.2273, 0.2996, 0.3881



Tritanomaly

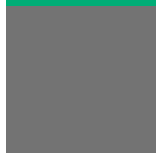
30.8517, 0.2360, 0.3486

Monochromacy



Original Color

31.1951, 0.2543, 0.4356



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

20.2857, 0.2690, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1951, 0.2543, 0.4356 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 118) }
```

Border

The CSS property to change the border of an element to Yxy 31.1951, 0.2543, 0.4356 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, 118) }
```

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

```
.border{ border-color:rgb(0, 173, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1951, 0.2543, 0.4356 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, 118) }
```

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

```
.background{ background-color: rgb(0, 173,  
118) }
```

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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