

Converting Colors

$Y_{xy}(31.4327, 0.4176, 0.4551)$

Have a look what the booklet for
Yxy(31.4327, 0.4176, 0.4551)
contains.

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Color

Yxy(31.4406, 0.4173, 0.4550)

Conversions

Conversions Part 1

Format	Color
Hex	AB983C
RGB	171, 152, 60
RGB Percent	67%, 60%, 24%
CMY	0.3295, 0.4039, 0.7647
CMYK	0.00, 0.11, 0.65, 0.33
HSL	50°, 48%, 45%
HSV	50°, 65%, 67%
XYZ	28.8355, 31.4406, 8.8241
YIQ	147.1930, 40.8560, -24.5840

Conversions

Conversions Part 2

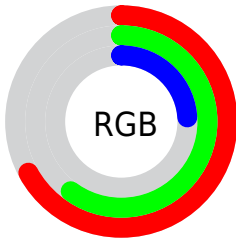
Format	Color
RYB	83, 171, 60
Decimal	11245628
CIELab	62.88, -4.02, 49.45
CIELCh	63, 49.610, 94.649
Yxy	31.4406, 0.4173, 0.4550
Android (android.graphics.Color)	4289435708 (0xFFAB983C)
YUV	147.1930, -42.9861, 20.8787
Hunter-Lab	56.0719, -6.3305, 29.9198

Details

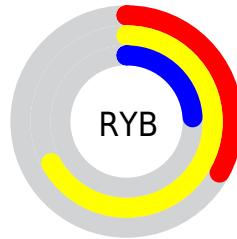
The Yxy color **31.4406, 0.4173, 0.4550** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.4888, 0.1961, 0.1550**, and the grayscale version is **29.4305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9705, 0.3992, 0.4317**, and **13.0226, 0.4426, 0.4859** is the 20% darker color. If you saturate the color by 10%, you get **30.3523, 0.4306, 0.4670**, and if you desaturate by 10%, it is **32.6137, 0.4021, 0.4394**.

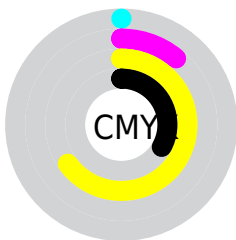
Distribution



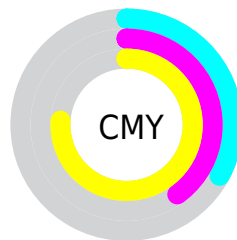
- Red (67%)
- Green (60%)
- Blue (24%)



- Red (33%)
- Yellow (67%)
- Blue (24%)



- Cyan (0%)
- Magenta (11%)
- Yellow (65%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4406, 0.4173, 0.4550 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 31.4406, 0.4173, 0.4550 by changing the saturation by 10% instead.

■ 31.4406, 0.4173,
0.4550

■ 31.4406, 0.4173,
0.4550

■ 308.5631, 0.3655,
0.3910

■ 20.9346, 0.4286,
0.4697

■ 61.9331, 0.3993,
0.4323

■ 13.0762, 0.4413,
0.4871

■ 82.6884, 0.3922,
0.4235

■ 7.4810, 0.4566,
0.5090

■ 107.6288, 0.3862,
0.4160

■ 3.7647, 0.4691,
0.5309

■ 137.1389, 0.3809,
0.4096

■ 1.5428, 0.4627,
0.5373

■ 171.6030, 0.3763,
0.4040

■ 0.3186, 0.3911,
0.6089

■ 211.4054, 0.3722,

■ 0.0000, 0.0000,

0.3991

0.0000

256.9306, 0.3687,
0.3948

■ 31.4406, 0.4173,
0.4550

■ 31.4406, 0.4173,
0.4550

■ 30.3523, 0.4306,
0.4670

■ 32.6137, 0.4021,
0.4394

■ 29.3383, 0.4413,
0.4747

■ 33.8723, 0.3857,
0.4211

■ 28.3927, 0.4493,
0.4779

■ 35.2228, 0.3687,
0.4011

■ 27.9285, 0.4529,
0.4786

■ 36.6692, 0.3518,
0.3802

■ 38.2156, 0.3355,
0.3592

■ 39.8658, 0.3199,
0.3387

■ 41.6230, 0.3055,
0.3192

■ 43.4907, 0.2922,
0.3008

■ 45.4719, 0.2800,
0.2836

Harmonies

Analogous

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



31.4406, 0.4619, 0.4052



31.4406, 0.4173, 0.4550



31.4406, 0.3480, 0.4748

Triad

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



31.4406, 0.4173, 0.4550



31.4406, 0.1817, 0.2806



31.4406, 0.3394, 0.2462

Complementary

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



31.4406, 0.4173, 0.4550



9.4888, 0.1961, 0.1550

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.



31.4406, 0.2624, 0.2174



31.4406, 0.4173, 0.4550



31.4406, 0.1803, 0.2303

Square

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



31.4406, 0.4173, 0.4550



31.4406, 0.2133, 0.3595



31.4406, 0.2075, 0.2107



31.4406, 0.4172, 0.2921

Rectangle

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



31.4406, 0.4173, 0.4550



31.4406, 0.2975, 0.4578



31.4406, 0.2075, 0.2107



31.4406, 0.3122, 0.2344

Sweetspot

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



31.4421, 0.4173, 0.4550



67.2089, 0.3426, 0.3685



12.4724, 0.4804, 0.3016



14.8167, 0.3472, 0.3743



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.



31.4421, 0.4173, 0.4550



53.5438, 0.4357, 0.4710



34.6659, 0.3654, 0.4967



9.0937, 0.3267, 0.3477



21.1262, 0.4525, 0.4789



0.6482, 0.4409, 0.4881

Inverse Universe

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



9.4888, 0.1961, 0.1550



11.4181, 0.1737, 0.1155



8.6126, 0.2218, 0.1394



7.9703, 0.2986, 0.3096



2.9429, 0.1548, 0.0771



0.1468, 0.1682, 0.1255

Previews

White Background



This preview shows how the Yxy color 31.4406, 0.4173, 0.4550 looks on a white background.

Color Contrast Check

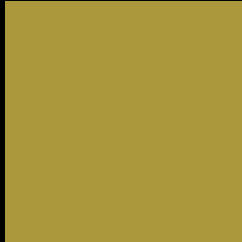
Large Text (above 18pt) WCAG AA × Fail

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 31.4406, 0.4173, 0.4550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

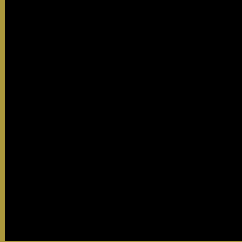
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4406, 0.4173, 0.4550

Background



This preview shows how black text looks on a background with the Yxy color 31.4406, 0.4173, 0.4550.



This preview shows how white text looks on a background with the Yxy color 31.4406, 0.4173, 0.4550.

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

31.4406, 0.4173, 0.4550

Protanopia

31.3288, 0.4162, 0.4556

Deuteranopia

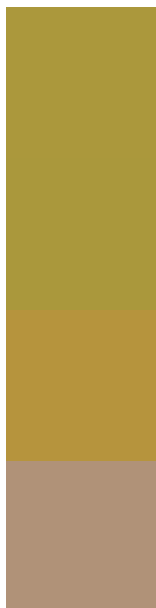
31.4174, 0.4421, 0.4343



Tritanopia

31.5617, 0.3402, 0.3135

Trichromacy



Original Color

31.4406, 0.4173, 0.4550

Protanomaly

31.3288, 0.4162, 0.4556

Deuteranomaly

31.4618, 0.4324, 0.4428

Tritanomaly

31.1439, 0.3722, 0.3671

Monochromacy



Original Color

31.4406, 0.4173, 0.4550

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.8006, 0.3538, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4406, 0.4173, 0.4550 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(171, 152, 60)` looks like.

```
.text, #text, p{  
    color:rgb(171, 152, 60)  
}
```

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(171, 152, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 152, 60) }
```

Border

The CSS property to change the border of an element to Yxy 31.4406, 0.4173, 0.4550 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(171, 152, 60) }
```

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

```
.border{ border-color:rgb(171, 152, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 152, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 152, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 152, 60);  
box-shadow:4px 4px 4px 4px rgb(171, 152,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4406, 0.4173, 0.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 152, 60) }
```

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

```
.background{ background-color: rgb(171,  
152, 60) }
```

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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