

Converting Colors

$Y_{xy}(31.5994, 0.4443, 0.4855)$

Have a look what the booklet for
Yxy(31.5994, 0.4443, 0.4855)
contains.

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Color

Yxy(31.5704, 0.4444, 0.4853)

Conversions

Conversions Part 1

Format	Color
Hex	AF9800
RGB	175, 152, 0
RGB Percent	69%, 60%, 0%
CMY	0.3137, 0.4039, 0.9995
CMYK	0.00, 0.13, 1.00, 0.31
HSL	52°, 100%, 34%
HSV	52°, 100%, 69%
XYZ	28.9097, 31.5704, 4.5733
YIQ	141.5490, 62.5000, -42.3960

Conversions

Conversions Part 2

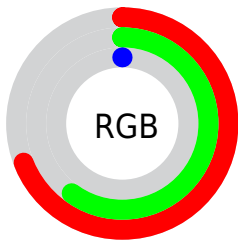
Format	Color
R_YB	26, 175, 0
Decimal	11507712
CIE Lab	62.99, -4.20, 66.66
CIE LCh	63, 66.794, 93.606
Yxy	31.5704, 0.4444, 0.4853
Android (android.graphics.Color)	4289697792 (0xFFAF9800)
YUV	141.5490, -69.7837, 29.3365
Hunter-Lab	56.1875, -6.4861, 34.5055

Details

The Yxy color **31.5704, 0.4444, 0.4853** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.7146, 0.1530, 0.0706**, and the grayscale version is **27.1318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1161, 0.4250, 0.4615**, and **13.3543, 0.4443, 0.4854** is the 20% darker color. If you saturate the color by 10%, you get **31.5662, 0.4444, 0.4853**, and if you desaturate by 10%, it is **32.3689, 0.4386, 0.4830**.

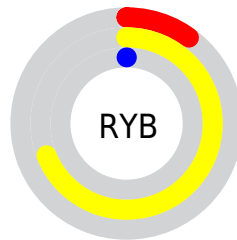
Distribution



Red (69%)

Green (60%)

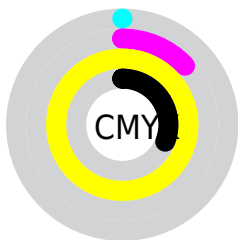
Blue (0%)



Red (10%)

Yellow (69%)

Blue (0%)

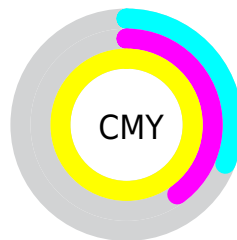


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5704, 0.4444, 0.4853 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 31.5704, 0.4444, 0.4853 by changing the saturation by 10% instead.


 31.5704, 0.4444,
0.4853


 31.5704, 0.4444,
0.4853


309.1576, 0.3839,
0.4109

 21.0336, 0.4546,
0.4992


 62.1370, 0.4254,
0.4610


 13.1485, 0.4651,
0.5145


 82.9356, 0.4172,
0.4509


 7.5309, 0.4723,
0.5277


 107.9235, 0.4099,
0.4420

 3.7963, 0.4684,
0.5316

 137.4852, 0.4034,
0.4342

 1.5603, 0.4617,
0.5383

 172.0051, 0.3977,
0.4273

 0.3306, 0.3904,
0.6096

 211.8675, 0.3926,

 0.0000, 0.0000,

0.4212

0.0000

■ 257.4569, 0.3880,
0.4158

■ 31.5704, 0.4444,
0.4853

■ 31.5704, 0.4444,
0.4853

■ 31.5662, 0.4444,
0.4853

■ 32.3689, 0.4386,
0.4830

■ 33.2179, 0.4305,
0.4771

■ 34.1335, 0.4198,
0.4668

■ 35.1225, 0.4067,
0.4525

■ 36.1907, 0.3919,
0.4348

■ 37.3434, 0.3760,
0.4149

■ 38.5852, 0.3596,
0.3935

■ 39.9203, 0.3433,
0.3716

■ 41.3527, 0.3275,
0.3499

Harmonies

Analogous

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



31.5704, 0.5061, 0.4144



31.5704, 0.4444, 0.4853



31.5704, 0.3546, 0.5267

Triad

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



31.5704, 0.4444, 0.4853



31.5704, 0.1467, 0.2635



31.5704, 0.3423, 0.2216

Complementary

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



31.5704, 0.4444, 0.4853



3.7146, 0.1530, 0.0706

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.



31.5704, 0.2426, 0.1874



31.5704, 0.4444, 0.4853



31.5704, 0.1455, 0.2012

Square

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



31.5704, 0.4444, 0.4853



31.5704, 0.1840, 0.3722



31.5704, 0.1766, 0.1791



31.5704, 0.4494, 0.2765

Rectangle

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



31.5704, 0.4444, 0.4853



31.5704, 0.2902, 0.5114



31.5704, 0.1766, 0.1791



31.5704, 0.3062, 0.2075

Sweetspot

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



31.5719, 0.4444, 0.4853



68.9598, 0.3606, 0.3948



9.1815, 0.6219, 0.3200



15.1194, 0.3673, 0.4037



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.



31.5719, 0.4444, 0.4853



56.2959, 0.4449, 0.4849



34.0363, 0.3567, 0.5550



9.1477, 0.3266, 0.3485



22.6668, 0.4441, 0.4856



0.6794, 0.4356, 0.4923

Inverse Universe

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



3.7146, 0.1530, 0.0706



6.4648, 0.1525, 0.0688



4.1967, 0.1797, 0.0764



7.9208, 0.2986, 0.3087



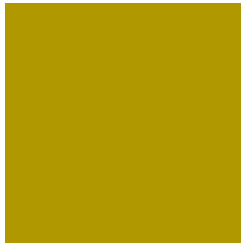
2.7097, 0.1533, 0.0718



0.1272, 0.1644, 0.1119

Previews

White Background



This preview shows how the Yxy color 31.5704, 0.4444, 0.4853 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 31.5704, 0.4444, 0.4853 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 31.5704, 0.4444, 0.4853

Background



This preview shows how black text looks on a background with the Yxy color 31.5704, 0.4444, 0.4853.

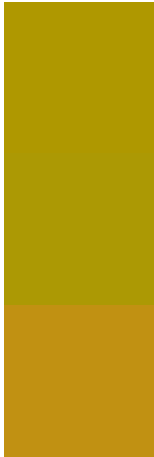


This preview shows how white text looks on a background with the Yxy color 31.5704, 0.4444, 0.4853.

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

31.5704, 0.4444, 0.4853

Protanopia

31.5619, 0.4394, 0.4878

Deuteranopia

31.6319, 0.4682, 0.4595



Tritanopia

31.5071, 0.3482, 0.3138

Trichromacy



Original Color

31.5704, 0.4444, 0.4853

Protanomaly

31.6733, 0.4406, 0.4872

Deuteranomaly

31.6455, 0.4587, 0.4697

Tritanomaly

30.9376, 0.4023, 0.3971

Monochromacy



Original Color

31.5704, 0.4444, 0.4853

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.1660, 0.3777, 0.4180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5704, 0.4444, 0.4853 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(175, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 152, 0)  
}
```

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(175, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 152, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.5704, 0.4444, 0.4853 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(175, 152, 0) }
```

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

```
.border{ border-color:rgb(175, 152, 0) }
```

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

Here you see how a box with a 4 pixel rgb(175, 152, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 152,  
0) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.5704, 0.4444, 0.4853$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 152, 0) }
```

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

```
.background{ background-color: rgb(175,  
152, 0) }
```

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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