

Converting Colors

$Y_{xy}(30.9248, 0.4444, 0.4853)$

Have a look what the booklet for
Yxy(30.9248, 0.4444, 0.4853)
contains.

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Color

Yxy(31.0175, 0.4435, 0.4861)

Conversions

Conversions Part 1

Format	Color
Hex	AD9700
RGB	173, 151, 0
RGB Percent	68%, 59%, 0%
CMY	0.3216, 0.4078, 1.0000
CMYK	0.00, 0.13, 1.00, 0.32
HSL	52°, 100%, 34%
HSV	52°, 100%, 68%
XYZ	28.2992, 31.0175, 4.4921
YIQ	140.3640, 61.5830, -42.2970

Conversions

Conversions Part 2

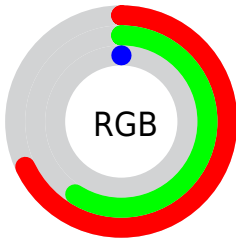
Format	Color
R _Y B	25, 173, 0
Decimal	11376384
CIE Lab	62.52, -4.58, 66.28
CIE LCh	63, 66.434, 93.957
Yxy	31.0175, 0.4435, 0.4861
Android (android.graphics.Color)	4289566464 (0xFFAD9700)
YUV	140.3640, -69.1995, 28.6218
Hunter-Lab	55.6934, -6.7629, 34.2031

Details

The Yxy color **31.0175, 0.4435, 0.4861** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.5904, 0.1528, 0.0701**, and the grayscale version is **26.6326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2995, 0.4241, 0.4617**, and **13.0204, 0.4430, 0.4865** is the 20% darker color. If you saturate the color by 10%, you get **31.0192, 0.4435, 0.4861**, and if you desaturate by 10%, it is **31.7751, 0.4378, 0.4837**.

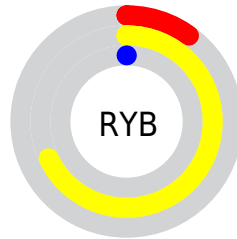
Distribution



Red (68%)

Green (59%)

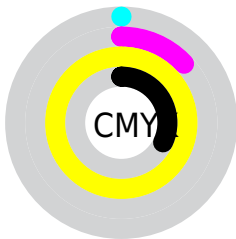
Blue (0%)



Red (10%)

Yellow (68%)

Blue (0%)

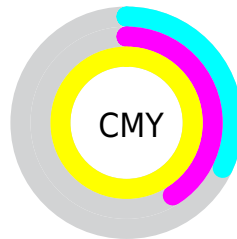


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (41%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0175, 0.4435, 0.4861 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 31.0175, 0.4435, 0.4861 by changing the saturation by 10% instead.

 31.0175, 0.4435,
0.4861


 31.0175, 0.4435,
0.4861


306.6189, 0.3832,
0.4110

 20.6122, 0.4537,
0.5002


 61.2676, 0.4246,
0.4615

 12.8408, 0.4642,
0.5160


 81.8812, 0.4164,
0.4513


 7.3190, 0.4707,
0.5293


 106.6663, 0.4092,
0.4423

 3.6624, 0.4664,
0.5336

 136.0074, 0.4027,
0.4344

 1.4866, 0.4589,
0.5411

 170.2888, 0.3970,
0.4275

 0.2792, 0.3547,
0.6453

 209.8949, 0.3919,

 0.0000, 0.0000,

0.4213

0.0000

255.2102, 0.3873,
0.4158

31.0175, 0.4435,
0.4861

31.0175, 0.4435,
0.4861

31.0192, 0.4435,
0.4861

31.7751, 0.4378,
0.4837

32.5804, 0.4299,
0.4777

33.4496, 0.4193,
0.4674

34.3892, 0.4064,
0.4530

35.4050, 0.3917,
0.4354

■ 36.5020, 0.3759,
0.4154

■ 37.6847, 0.3596,
0.3939

■ 38.9571, 0.3434,
0.3719

■ 40.3233, 0.3276,
0.3501

Harmonies

Analogous

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



31.0175, 0.5057, 0.4152



31.0175, 0.4435, 0.4861



31.0175, 0.3535, 0.5269

Triad

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



31.0175, 0.4435, 0.4861



31.0175, 0.1464, 0.2625



31.0175, 0.3437, 0.2221

Complementary

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



31.0175, 0.4435, 0.4861



3.5904, 0.1528, 0.0701

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.



31.0175, 0.2436, 0.1876



31.0175, 0.4435, 0.4861



31.0175, 0.1456, 0.2007

Square

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



31.0175, 0.4435, 0.4861



31.0175, 0.1832, 0.3707



31.0175, 0.1771, 0.1790



31.0175, 0.4506, 0.2772

Rectangle

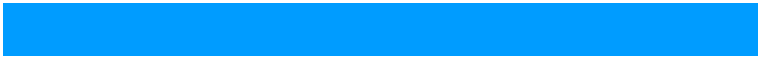
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.0175, 0.4435, 0.4861



31.0175, 0.2891, 0.5108



31.0175, 0.1771, 0.1790



31.0175, 0.3075, 0.2079

Sweetspot

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



31.0192, 0.4435, 0.4861



67.3796, 0.3604, 0.3951



8.9460, 0.6219, 0.3200



14.4524, 0.3671, 0.4039



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.



31.0192, 0.4435, 0.4861



55.3353, 0.4439, 0.4857



33.1729, 0.3567, 0.5550



9.1539, 0.3266, 0.3486



22.8471, 0.4432, 0.4863



0.6830, 0.4350, 0.4928

Inverse Universe

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



3.5904, 0.1528, 0.0701



6.2591, 0.1524, 0.0684



4.0880, 0.1797, 0.0764



7.9152, 0.2986, 0.3086



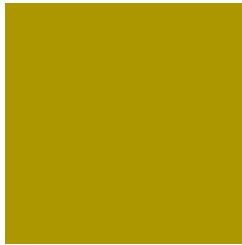
2.6865, 0.1531, 0.0712



0.1250, 0.1640, 0.1103

Previews

White Background



This preview shows how the Yxy color 31.0175, 0.4435, 0.4861 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 31.0175, 0.4435, 0.4861 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 31.0175, 0.4435, 0.4861

Background



This preview shows how black text looks on a background with the Yxy color 31.0175, 0.4435, 0.4861.



This preview shows how white text looks on a background with the Yxy color 31.0175, 0.4435, 0.4861.

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

31.0175, 0.4435, 0.4861

Protanopia

31.1232, 0.4395, 0.4877

Deuteranopia

31.0666, 0.4674, 0.4600



Tritanopia

30.9356, 0.3473, 0.3136

Trichromacy



Original Color

31.0175, 0.4435, 0.4861

Protanomaly

31.2337, 0.4407, 0.4871

Deuteranomaly

31.0819, 0.4581, 0.4705

Tritanomaly

30.3748, 0.4017, 0.3978

Monochromacy



Original Color

31.0175, 0.4435, 0.4861

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.3432, 0.3775, 0.4175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0175, 0.4435, 0.4861 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(173, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 151, 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(173, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 151, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.0175, 0.4435, 0.4861 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(173, 151, 0) }
```

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

```
.border{ border-color:rgb(173, 151, 0) }
```

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

Here you see how a box with a 4 pixel rgb(173, 151, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 151,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0175, 0.4435, 0.4861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 151, 0) }
```

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

```
.background{ background-color: rgb(173,  
151, 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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