

Converting Colors

$Y_{xy}(24.8799, 0.4673, 0.4672)$

Have a look what the booklet for
Yxy(24.8799, 0.4673, 0.4672)
contains.

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Color

Yxy(24.8905, 0.4674, 0.4671)

Conversions

Conversions Part 1

Format	Color
Hex	AB8300
RGB	171, 131, 0
RGB Percent	67%, 51%, 0%
CMY	0.3295, 0.4862, 1.0000
CMYK	0.00, 0.23, 1.00, 0.33
HSL	46°, 100%, 34%
HSV	46°, 100%, 67%
XYZ	24.9065, 24.8905, 3.4903
YIQ	128.0260, 65.8910, -32.2610

Conversions

Conversions Part 2

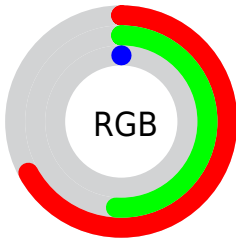
Format	Color
R_{YB}	52, 171, 0
Decimal	11240192
CIE _{Lab}	56.97, 5.44, 62.28
CIE _{LCh}	57, 62.512, 85.008
Yxy	24.8905, 0.4674, 0.4671
Android (android.graphics.Color)	4289430272 (0xFFAB8300)
YUV	128.0260, -63.1168, 37.6882
Hunter-Lab	49.8904, 1.8034, 30.7754

Details

The Yxy color **24.8905, 0.4674, 0.4671** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **4.4540, 0.1574, 0.0865**, and the grayscale version is **21.8024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6996, 0.4420, 0.4465**, and **9.6120, 0.4764, 0.4599** is the 20% darker color. If you saturate the color by 10%, you get **24.8918, 0.4674, 0.4671**, and if you desaturate by 10%, it is **26.0269, 0.4580, 0.4665**.

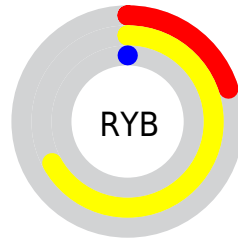
Distribution



Red (67%)

Green (51%)

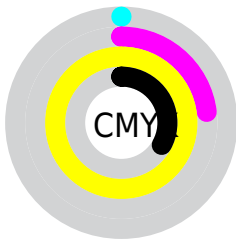
Blue (0%)



Red (20%)

Yellow (67%)

Blue (0%)

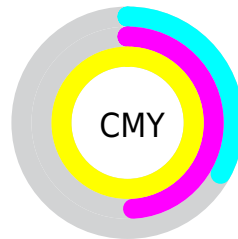


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8905, 0.4674, 0.4671 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 24.8905, 0.4674, 0.4671 by changing the saturation by 10% instead.


 24.8905, 0.4674,
0.4671

 24.8905, 0.4674,
0.4671


277.2922, 0.3913,
0.4022


 15.9955, 0.4819,
0.4777


 51.4795, 0.4421,
0.4467


 9.5210, 0.5023,
0.4924


 69.9423, 0.4317,
0.4379


 5.0825, 0.5090,
0.4910

 92.3632, 0.4226,
0.4300

 2.2958, 0.5155,
0.4845

 119.1265, 0.4146,
0.4231


 0.7715, 0.5289,
0.4711

 150.6167, 0.4077,
0.4169

 0.0000, 0.0000,
0.0000


 187.2181, 0.4015,

0.4115


 229.3151, 0.3961,
0.4066


 24.8905, 0.4674,
0.4671

 24.8905, 0.4674,
0.4671


 24.8918, 0.4674,
0.4671

 26.0269, 0.4580,
0.4665

 27.2389, 0.4464,
0.4621

 28.5424, 0.4320,
0.4531

 29.9442, 0.4156,
0.4401

 31.4501, 0.3979,
0.4240

■ 33.0654, 0.3797,
0.4058

■ 34.7948, 0.3617,
0.3865

■ 36.6427, 0.3443,
0.3669

■ 38.6132, 0.3279,
0.3476

Harmonies

Analogous

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



24.8905, 0.5171, 0.3936



24.8905, 0.4674, 0.4671



24.8905, 0.3822, 0.5232

Triad

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



24.8905, 0.4674, 0.4671



24.8905, 0.1517, 0.2896



24.8905, 0.3111, 0.2081

Complementary

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



24.8905, 0.4674, 0.4671



4.4540, 0.1574, 0.0865

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.



24.8905, 0.2189, 0.1808



24.8905, 0.4674, 0.4671



24.8905, 0.1408, 0.2130

Square

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



24.8905, 0.4674, 0.4671



24.8905, 0.2006, 0.4092



24.8905, 0.1628, 0.1805



24.8905, 0.4222, 0.2584

Rectangle

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



24.8905, 0.4674, 0.4671



24.8905, 0.3175, 0.5262



24.8905, 0.1628, 0.1805



24.8905, 0.2767, 0.1962

Sweetspot

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



24.8918, 0.4674, 0.4671



62.1675, 0.3626, 0.3876



8.8275, 0.5917, 0.3033



13.5761, 0.3699, 0.3955



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.



24.8918, 0.4674, 0.4671



44.2562, 0.4684, 0.4663



33.7229, 0.3760, 0.5397



9.0081, 0.3268, 0.3463



18.8543, 0.4668, 0.4675



0.6009, 0.4498, 0.4810

Inverse Universe

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



4.4540, 0.1574, 0.0865



7.7083, 0.1567, 0.0839



3.4473, 0.1650, 0.0682



8.0498, 0.2986, 0.3111



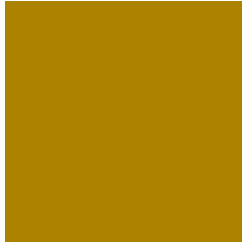
3.4281, 0.1578, 0.0880



0.1781, 0.1738, 0.1458

Previews

White Background



This preview shows how the Yxy color 24.8905, 0.4674, 0.4671 looks on a white background.

Color Contrast Check

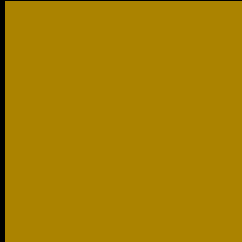
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8905, 0.4674, 0.4671 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 × Fail

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

Yxy 24.8905, 0.4674, 0.4671

Background



This preview shows how black text looks on a background with the Yxy color 24.8905, 0.4674, 0.4671.



This preview shows how white text looks on a background with the Yxy color 24.8905, 0.4674, 0.4671.

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

24.8905, 0.4674, 0.4671

Protanopia

24.8796, 0.4391, 0.4853

Deuteranopia

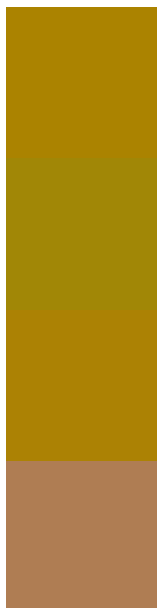
24.8648, 0.4695, 0.4623



Tritanopia

24.9049, 0.3702, 0.3159

Trichromacy



Original Color

24.8905, 0.4674, 0.4671

Protanomaly

24.9182, 0.4494, 0.4786

Deuteranomaly

24.7447, 0.4691, 0.4639

Tritanomaly

24.4057, 0.4254, 0.3907

Monochromacy



Original Color

24.8905, 0.4674, 0.4671

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.2239, 0.3856, 0.4113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8905, 0.4674, 0.4671 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, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 131, 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(171, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 131, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.8905, 0.4674, 0.4671 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, 131, 0) }
```

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

```
.border{ border-color:rgb(171, 131, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 131, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 131,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8905, 0.4674, 0.4671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 131, 0) }
```

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

```
.background{ background-color: rgb(171,  
131, 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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