

Converting Colors

$Y_{xy}(25.0695, 0.4979, 0.4428)$

Have a look what the booklet for
Yxy(25.0695, 0.4979, 0.4428)
contains.

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Color

Yxy(24.9847, 0.4977, 0.4430)

Conversions

Conversions Part 1

Format	Color
Hex	BD7B00
RGB	189, 123, 0
RGB Percent	74%, 48%, 0%
CMY	0.2588, 0.5176, 0.9998
CMYK	0.00, 0.35, 1.00, 0.26
HSL	39°, 100%, 37%
HSV	39°, 100%, 74%
XYZ	28.0697, 24.9847, 3.3445
YIQ	128.7120, 78.8190, -24.2610

Conversions

Conversions Part 2

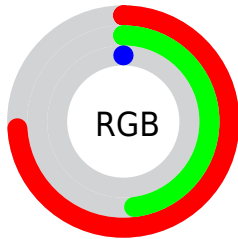
Format	Color
RYB	101, 189, 0
Decimal	12417792
CIELab	57.06, 18.05, 63.33
CIELCh	57, 65.854, 74.090
Yxy	24.9847, 0.4977, 0.4430
Android (android.graphics.Color)	4290607872 (0xFFBD7B00)
YUV	128.7120, -63.4550, 52.8726
Hunter-Lab	49.9847, 12.7664, 31.0222

Details

The Yxy color **24.9847, 0.4977, 0.4430** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.5771, 0.1644, 0.1119**, and the grayscale version is **22.0555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4013, 0.4663, 0.4296**, and **9.6434, 0.5169, 0.4277** is the 20% darker color. If you saturate the color by 10%, you get **24.9810, 0.4977, 0.4430**, and if you desaturate by 10%, it is **26.7264, 0.4839, 0.4454**.

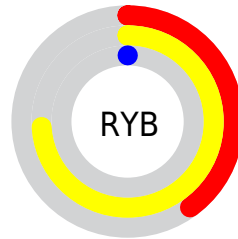
Distribution



Red (74%)

Green (48%)

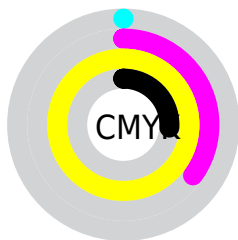
Blue (0%)



Red (40%)

Yellow (74%)

Blue (0%)

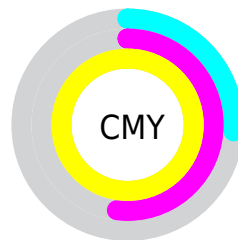


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9847, 0.4977, 0.4430 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 24.9847, 0.4977, 0.4430 by changing the saturation by 10% instead.


 24.9847, 0.4977,
0.4430


 24.9847, 0.4977,
0.4430


277.7617, 0.4051,
0.3950


 16.0657, 0.5165,
0.4480


 51.6324, 0.4663,
0.4299


 9.5706, 0.5431,
0.4550


 70.1298, 0.4536,
0.4235


 5.1152, 0.5567,
0.4433

 92.5889, 0.4426,
0.4175

 2.3150, 0.5762,
0.4238

 119.3939, 0.4330,
0.4121

 0.7816, 0.6118,
0.3882

 150.9293, 0.4247,
0.4071

 0.0000, 1.0000,
0.0000

 187.5795, 0.4173,

 0.0000, 0.0000,


0.4027

0.0000

 229.7288, 0.4108,
0.3986


 24.9847, 0.4977,
0.4430


 24.9847, 0.4977,
0.4430


 24.9810, 0.4977,
0.4430

 26.7264, 0.4839,
0.4454

 28.6247, 0.4674,
0.4435

 30.6995, 0.4482,
0.4366

 32.9610, 0.4273,
0.4256

 35.4182, 0.4058,
0.4116

■ 38.0790, 0.3846,
0.3956

■ 40.9508, 0.3644,
0.3787

■ 44.0407, 0.3455,
0.3616

■ 47.3548, 0.3283,
0.3449

Harmonies

Analogous

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



24.9847, 0.5304, 0.3667



24.9847, 0.4977, 0.4430



24.9847, 0.4182, 0.5147

Triad

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



24.9847, 0.4977, 0.4430



24.9847, 0.1583, 0.3288



24.9847, 0.2715, 0.1900

Complementary

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



24.9847, 0.4977, 0.4430



7.5771, 0.1644, 0.1119

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.



24.9847, 0.1892, 0.1715



24.9847, 0.4977, 0.4430



24.9847, 0.1342, 0.2302

Square

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



24.9847, 0.4977, 0.4430



24.9847, 0.2234, 0.4610



24.9847, 0.1450, 0.1821



24.9847, 0.3853, 0.2340

Rectangle

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



24.9847, 0.4977, 0.4430



24.9847, 0.3530, 0.5398



24.9847, 0.1450, 0.1821



24.9847, 0.2397, 0.1809

Sweetspot

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



24.9860, 0.4977, 0.4430



73.0709, 0.3654, 0.3796



11.2157, 0.5580, 0.2848



15.2390, 0.3738, 0.3867



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.9860, 0.4977, 0.4430



44.2739, 0.4993, 0.4418



43.9374, 0.3931, 0.5261



10.5442, 0.3273, 0.3439



16.9553, 0.4965, 0.4440



0.7823, 0.4736, 0.4622

Inverse Universe

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



7.5771, 0.1644, 0.1119



13.1574, 0.1636, 0.1091



3.9279, 0.1561, 0.0634



9.7558, 0.2984, 0.3137



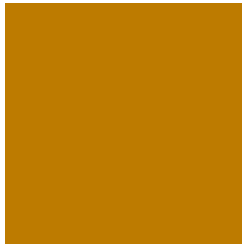
5.2257, 0.1651, 0.1141



0.3291, 0.1790, 0.1645

Previews

White Background



This preview shows how the Yxy color 24.9847, 0.4977, 0.4430 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 24.9847, 0.4977, 0.4430 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 24.9847, 0.4977, 0.4430

Background



This preview shows how black text looks on a background with the Yxy color 24.9847, 0.4977, 0.4430.



This preview shows how white text looks on a background with the Yxy color 24.9847, 0.4977, 0.4430.

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

24.9847, 0.4977, 0.4430

Protanopia

25.1746, 0.4370, 0.4851

Deuteranopia

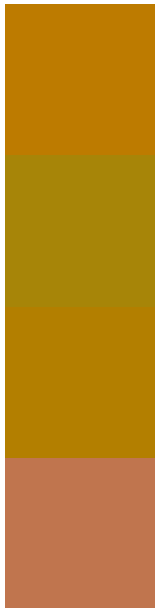
24.9639, 0.4721, 0.4633



Tritanopia

24.9340, 0.4048, 0.3170

Trichromacy



Original Color

24.9847, 0.4977, 0.4430

Protanomaly

25.0081, 0.4585, 0.4705

Deuteranomaly

24.7624, 0.4818, 0.4557

Tritanomaly

24.4791, 0.4582, 0.3805

Monochromacy



Original Color

24.9847, 0.4977, 0.4430

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.3672, 0.3949, 0.4038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9847, 0.4977, 0.4430 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(189, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 123, 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(189, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 123, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.9847, 0.4977, 0.4430 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(189, 123, 0) }
```

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

```
.border{ border-color:rgb(189, 123, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 123, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 123,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9847, 0.4977, 0.4430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 123, 0) }
```

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

```
.background{ background-color: rgb(189,  
123, 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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