

Converting Colors

$Y_{xy}(24.0199, 0.4851, 0.4530)$

Have a look what the booklet for
Yxy(24.0199, 0.4851, 0.4530)
contains.

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Color

Yxy(23.8803, 0.4851, 0.4531)

Conversions

Conversions Part 1

Format	Color
Hex	B27C00
RGB	178, 124, 0
RGB Percent	70%, 49%, 0%
CMY	0.3020, 0.5137, 1.0000
CMYK	0.00, 0.30, 1.00, 0.30
HSL	42°, 100%, 35%
HSV	42°, 100%, 70%
XYZ	25.5668, 23.8803, 3.2571
YIQ	126.0100, 71.9880, -27.1160

Conversions

Conversions Part 2

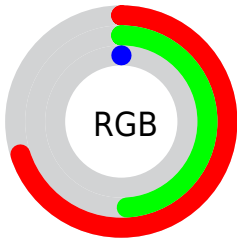
Format	Color
RYB	78, 178, 0
Decimal	11697152
CIELab	55.97, 12.56, 62.00
CIELCh	56, 63.256, 78.551
Yxy	23.8803, 0.4851, 0.4531
Android (android.graphics.Color)	4289887232 (0xFFB27C00)
YUV	126.0100, -62.1229, 45.5952
Hunter-Lab	48.8675, 7.8708, 30.2554

Details

The Yxy color **23.8803, 0.4851, 0.4531** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.8518, 0.1614, 0.1010**, and the grayscale version is **21.0658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6452, 0.4555, 0.4363**, and **9.0252, 0.5009, 0.4405** is the 20% darker color. If you saturate the color by 10%, you get **23.8819, 0.4851, 0.4531**, and if you desaturate by 10%, it is **25.3155, 0.4731, 0.4541**.

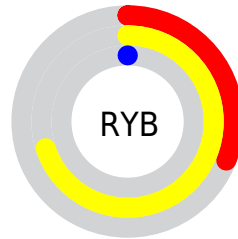
Distribution



Red (70%)

Green (49%)

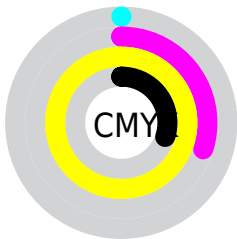
Blue (0%)



Red (31%)

Yellow (70%)

Blue (0%)

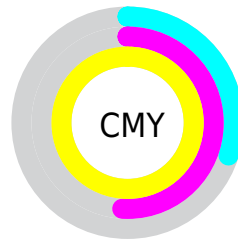


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8803, 0.4851, 0.4531 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 23.8803, 0.4851, 0.4531 by changing the saturation by 10% instead.


 23.8803, 0.4851,
0.4531


 23.8803, 0.4851,
0.4531


272.2148, 0.3986,
0.3976


 15.2449, 0.5024,
0.4605


 49.8348, 0.4558,
0.4368


 8.9914, 0.5281,
0.4718


 67.9226, 0.4440,
0.4292

 4.7356, 0.5376,
0.4624

 89.9301, 0.4337,
0.4224

 2.0930, 0.5525,
0.4475

 116.2415, 0.4247,
0.4163

 0.6607, 0.5867,
0.4133


 147.2412, 0.4169,
0.4108

 0.0000, 0.0000,
0.0000


 183.3138, 0.4101,


0.4059


 224.8435, 0.4040,
0.4015


 23.8803, 0.4851,
0.4531


 23.8803, 0.4851,
0.4531


 23.8819, 0.4851,
0.4531

 25.3155, 0.4731,
0.4541

 26.8634, 0.4585,
0.4511

 28.5415, 0.4414,
0.4433

 30.3580, 0.4224,
0.4314

 32.3201, 0.4025,
0.4165

■ 34.4341, 0.3825,
0.3997

■ 36.7057, 0.3632,
0.3818

■ 39.1405, 0.3450,
0.3637

■ 41.7434, 0.3281,
0.3460

Harmonies

Analogous

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



23.8803, 0.5251, 0.3779



23.8803, 0.4851, 0.4531



23.8803, 0.4032, 0.5188

Triad

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



23.8803, 0.4851, 0.4531



23.8803, 0.1555, 0.3117



23.8803, 0.2877, 0.1976

Complementary

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



23.8803, 0.4851, 0.4531



5.8518, 0.1614, 0.1010

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.



23.8803, 0.2013, 0.1754



23.8803, 0.4851, 0.4531



23.8803, 0.1370, 0.2227

Square

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



23.8803, 0.4851, 0.4531



23.8803, 0.2138, 0.4391



23.8803, 0.1523, 0.1814



23.8803, 0.4009, 0.2442

Rectangle

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



23.8803, 0.4851, 0.4531



23.8803, 0.3383, 0.5351



23.8803, 0.1523, 0.1814



23.8803, 0.2548, 0.1873

Sweetspot

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



23.8819, 0.4851, 0.4531



66.3441, 0.3642, 0.3827



9.7539, 0.5696, 0.2911



14.3115, 0.3722, 0.3902



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.8819, 0.4851, 0.4531



42.8865, 0.4864, 0.4520



37.8930, 0.3874, 0.5306



9.4628, 0.3270, 0.3448



17.2027, 0.4841, 0.4538



0.6381, 0.4622, 0.4712

Inverse Universe

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



5.8518, 0.1614, 0.1010



10.2578, 0.1606, 0.0981



3.5316, 0.1587, 0.0648



8.6366, 0.2985, 0.3127



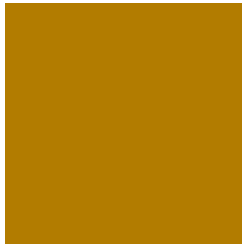
4.2860, 0.1619, 0.1029



0.2403, 0.1783, 0.1617

Previews

White Background



This preview shows how the Yxy color 23.8803, 0.4851, 0.4531 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 23.8803, 0.4851, 0.4531 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 23.8803, 0.4851, 0.4531

Background



This preview shows how black text looks on a background with the Yxy color 23.8803, 0.4851, 0.4531.



This preview shows how white text looks on a background with the Yxy color 23.8803, 0.4851, 0.4531.

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

23.8803, 0.4851, 0.4531

Protanopia

24.0275, 0.4377, 0.4853

Deuteranopia

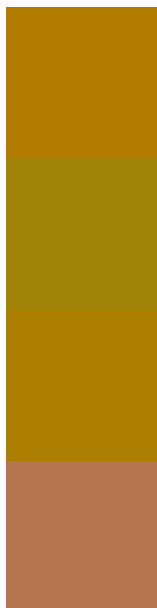
23.9844, 0.4706, 0.4645



Tritanopia

23.7840, 0.3896, 0.3163

Trichromacy



Original Color

23.8803, 0.4851, 0.4531

Protanomaly

23.8250, 0.4546, 0.4739

Deuteranomaly

24.0630, 0.4753, 0.4608

Tritanomaly

23.3451, 0.4434, 0.3841

Monochromacy



Original Color

23.8803, 0.4851, 0.4531

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.2662, 0.3909, 0.4063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8803, 0.4851, 0.4531 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(178, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 124, 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(178, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 124, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.8803, 0.4851, 0.4531 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(178, 124, 0) }
```

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

```
.border{ border-color:rgb(178, 124, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 124, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 124,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8803, 0.4851, 0.4531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 124, 0) }
```

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

```
.background{ background-color: rgb(178,  
124, 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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