

Converting Colors

$Yxy(22.8148, 0.4972, 0.4752)$

Have a look what the booklet for
Yxy(22.8148, 0.4972, 0.4752)
contains.

Yxy(23.0502, 0.4812, 0.4561)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(23.0502, 0.4812, 0.4561)$

Conversions

Conversions Part 1

Format	Color
Hex	AD7B00
RGB	173, 123, 0
RGB Percent	68%, 48%, 0%
CMY	0.3215, 0.5176, 0.9998
CMYK	0.00, 0.29, 1.00, 0.32
HSL	43°, 100%, 34%
HSV	43°, 100%, 68%
XYZ	24.3187, 23.0502, 3.1687
YIQ	123.9280, 69.2830, -27.6530

Conversions

Conversions Part 2

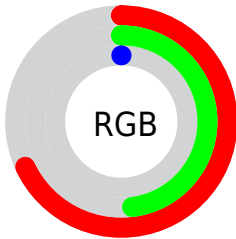
Format	Color
RYB	70, 173, 0
Decimal	11369216
CIELab	55.12, 10.85, 61.11
CIElCh	55, 62.066, 79.929
Yxy	23.0502, 0.4812, 0.4561
Android (android.graphics.Color)	4289559296 (0xFFAD7B00)
YUV	123.9280, -61.0965, 43.0361
Hunter-Lab	48.0106, 6.3965, 29.6943

Details

The Yxy color **23.0502, 0.4812, 0.4561** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.3047, 0.1606, 0.0981**, and the grayscale version is **20.3239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3888, 0.4526, 0.4385**, and **8.6770, 0.4933, 0.4465** is the 20% darker color. If you saturate the color by 10%, you get **23.0474, 0.4812, 0.4561**, and if you desaturate by 10%, it is **24.3660, 0.4697, 0.4567**.

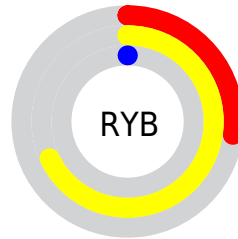
Distribution



Red (68%)

Green (48%)

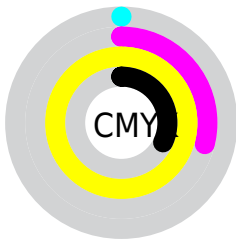
Blue (0%)



Red (27%)

Yellow (68%)

Blue (0%)

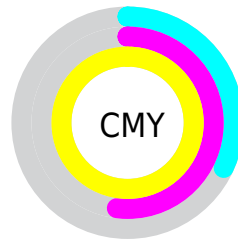


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (32%)



Cyan (32%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0502, 0.4812, 0.4561 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 23.0502, 0.4812, 0.4561 by changing the saturation by 10% instead.


 23.0502, 0.4812,
0.4561


 23.0502, 0.4812,
0.4561

267.9827, 0.3963,
0.3980


 14.6306, 0.4982,
0.4643


 48.4757, 0.4524,
0.4386

 8.5605, 0.5233,
0.4767


 66.2505, 0.4408,
0.4307


 4.4557, 0.5318,
0.4682

 87.9123, 0.4307,
0.4236

 1.9316, 0.5455,
0.4545

 113.8457, 0.4219,
0.4173


 0.5673, 0.5864,
0.4136


 144.4351, 0.4142,
0.4116


 0.0000, 0.0000,
0.0000


 180.0648, 0.4075,


0.4066


 221.1192, 0.4016,
0.4021


 23.0502, 0.4812,
0.4561

 23.0502, 0.4812,
0.4561


 23.0474, 0.4812,
0.4561

 24.3660, 0.4697,
0.4567

 25.7812, 0.4558,
0.4533

 27.3122, 0.4392,
0.4452

 28.9664, 0.4207,
0.4331

 30.7503, 0.4013,
0.4179

■ 32.6698, 0.3818,
0.4008

■ 34.7300, 0.3628,
0.3826

■ 36.9358, 0.3447,
0.3643

■ 39.2919, 0.3280,
0.3462

Harmonies

Analogous

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



23.0502, 0.5233, 0.3812



23.0502, 0.4812, 0.4561



23.0502, 0.3987, 0.5198

Triad

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



23.0502, 0.4812, 0.4561



23.0502, 0.1548, 0.3068



23.0502, 0.2927, 0.1999

Complementary

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



23.0502, 0.4812, 0.4561



5.3047, 0.1606, 0.0981

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.



23.0502, 0.2051, 0.1766



23.0502, 0.4812, 0.4561



23.0502, 0.1379, 0.2206

Square

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



23.0502, 0.4812, 0.4561



23.0502, 0.2110, 0.4324



23.0502, 0.1547, 0.1813



23.0502, 0.4055, 0.2473

Rectangle

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



23.0502, 0.4812, 0.4561



23.0502, 0.3338, 0.5332



23.0502, 0.1547, 0.1813



23.0502, 0.2595, 0.1893

Sweetspot

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



23.0514, 0.4812, 0.4561



61.9794, 0.3638, 0.3837



9.1341, 0.5750, 0.2941



13.1377, 0.3715, 0.3911



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.



23.0514, 0.4812, 0.4561



40.8844, 0.4825, 0.4551



35.3307, 0.3845, 0.5329



8.9330, 0.3269, 0.3451



17.0310, 0.4804, 0.4568



0.5615, 0.4581, 0.4745

Inverse Universe

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



5.3047, 0.1606, 0.0981



9.1712, 0.1598, 0.0952



3.3699, 0.1602, 0.0656



8.1205, 0.2986, 0.3124



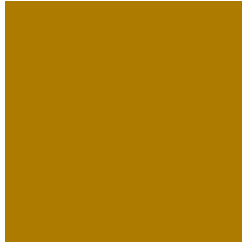
3.9811, 0.1611, 0.0998



0.2057, 0.1784, 0.1623

Previews

White Background



This preview shows how the Yxy color 23.0502, 0.4812, 0.4561 looks on a white background.

Color Contrast Check

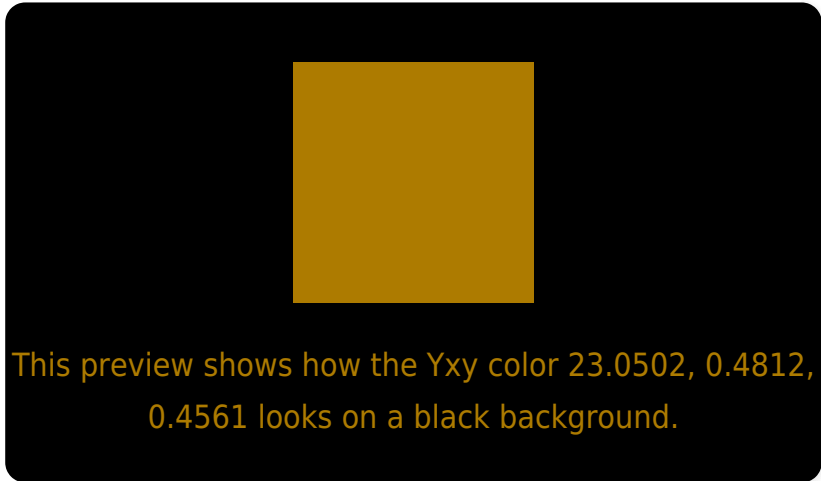
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 23.0502, 0.4812, 0.4561

Background



This preview shows how black text looks on a background with the Yxy color 23.0502, 0.4812, 0.4561.



This preview shows how white text looks on a background with the Yxy color 23.0502, 0.4812, 0.4561.

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

23.0502, 0.4812, 0.4561

Protanopia

23.1888, 0.4367, 0.4859

Deuteranopia

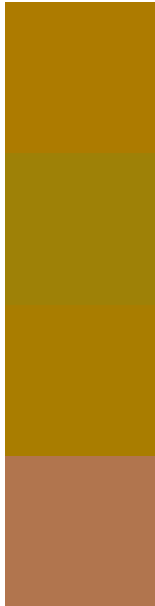
23.1372, 0.4701, 0.4649



Tritanopia

23.0484, 0.3864, 0.3160

Trichromacy



Original Color

23.0502, 0.4812, 0.4561

Protanomaly

22.9850, 0.4538, 0.4744

Deuteranomaly

23.1022, 0.4738, 0.4620

Tritanomaly

22.6197, 0.4407, 0.3854

Monochromacy



Original Color

23.0502, 0.4812, 0.4561

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.7306, 0.3888, 0.4076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0502, 0.4812, 0.4561 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, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 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(173, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 123, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.0502, 0.4812, 0.4561 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, 123, 0) }
```

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

```
.border{ border-color:rgb(173, 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(173, 123, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 123,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0502, 0.4812, 0.4561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 123, 0) }
```

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

```
.background{ background-color: rgb(173,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor