

Converting Colors

$Y_{xy}(23.2171, 0.4696, 0.4653)$

Have a look what the booklet for
Yxy(23.2171, 0.4696, 0.4653)
contains.

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Color

Yxy(23.1372, 0.4701, 0.4649)

Conversions

Conversions Part 1

Format	Color
Hex	A77E00
RGB	167, 126, 0
RGB Percent	65%, 49%, 0%
CMY	0.3451, 0.5059, 0.9997
CMYK	0.00, 0.25, 1.00, 0.35
HSL	45°, 100%, 33%
HSV	45°, 100%, 65%
XYZ	23.3960, 23.1372, 3.2349
YIQ	123.8950, 64.8820, -30.4940

Conversions

Conversions Part 2

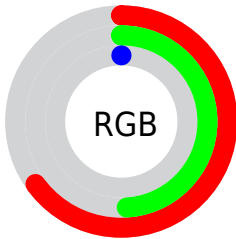
Format	Color
R_{YB}	54, 167, 0
Decimal	10976768
CIE _{Lab}	55.21, 6.40, 60.84
CIE _{LCh}	55, 61.174, 83.993
Yxy	23.1372, 0.4701, 0.4649
Android (android.graphics.Color)	4289166848 (0xFFA77E00)
YUV	123.8950, -61.0802, 37.8031
Hunter-Lab	48.1011, 2.6439, 29.6834

Details

The Yxy color **23.1372, 0.4701, 0.4649** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **4.3804, 0.1581, 0.0891**, and the grayscale version is **20.3140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4148, 0.4438, 0.4449**, and **8.6228, 0.4808, 0.4564** is the 20% darker color. If you saturate the color by 10%, you get **23.1330, 0.4701, 0.4649**, and if you desaturate by 10%, it is **24.2483, 0.4602, 0.4644**.

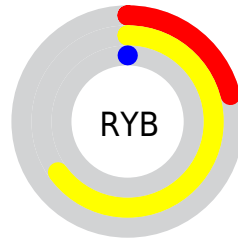
Distribution



Red (65%)

Green (49%)

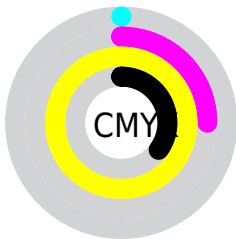
Blue (0%)



Red (21%)

Yellow (65%)

Blue (0%)

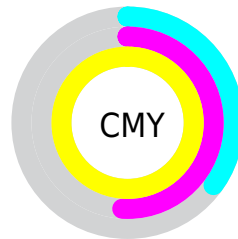


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1372, 0.4701, 0.4649 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 23.1372, 0.4701, 0.4649 by changing the saturation by 10% instead.


 23.1372, 0.4701,
0.4649

 23.1372, 0.4701,
0.4649


268.4289, 0.3914,
0.4007


 14.6948, 0.4854,
0.4753


 48.6185, 0.4437,
0.4447


 8.6055, 0.5087,
0.4913


 66.4263, 0.4329,
0.4359


 4.4848, 0.5138,
0.4862


 88.1246, 0.4235,
0.4282

 1.9483, 0.5221,
0.4779

 114.0979, 0.4153,
0.4213


 0.5772, 0.5498,
0.4502


 144.7306, 0.4082,
0.4152


 0.0000, 0.0000,
0.0000


 180.4071, 0.4019,


0.4098

 221.5117, 0.3964,
0.4050


 23.1372, 0.4701,
0.4649


 23.1372, 0.4701,
0.4649

 23.1330, 0.4701,
0.4649

 24.2483, 0.4602,
0.4644

 25.4348, 0.4481,
0.4601

 26.7119, 0.4332,
0.4512

 28.0860, 0.4164,
0.4384

 29.5629, 0.3984,
0.4225

■ 31.1474, 0.3799,
0.4045

■ 32.8442, 0.3617,
0.3855

■ 34.6573, 0.3442,
0.3662

■ 36.5907, 0.3278,
0.3472

Harmonies

Analogous

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



23.1372, 0.5183, 0.3911



23.1372, 0.4701, 0.4649



23.1372, 0.3854, 0.5225

Triad

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



23.1372, 0.4701, 0.4649



23.1372, 0.1523, 0.2929



23.1372, 0.3074, 0.2066

Complementary

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



23.1372, 0.4701, 0.4649



4.3804, 0.1581, 0.0891

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.



23.1372, 0.2161, 0.1800



23.1372, 0.4701, 0.4649



23.1372, 0.1403, 0.2145

Square

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



23.1372, 0.4701, 0.4649



23.1372, 0.2027, 0.4137



23.1372, 0.1612, 0.1807



23.1372, 0.4189, 0.2562

Rectangle

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



23.1372, 0.4701, 0.4649



23.1372, 0.3207, 0.5276



23.1372, 0.1612, 0.1807



23.1372, 0.2733, 0.1949

Sweetspot

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



23.1384, 0.4701, 0.4649



58.6442, 0.3628, 0.3866



8.3819, 0.5911, 0.3030



12.8433, 0.3701, 0.3944



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.1384, 0.4701, 0.4649



41.0967, 0.4712, 0.4640



32.0136, 0.3761, 0.5396



8.4571, 0.3268, 0.3459



17.7837, 0.4695, 0.4654



0.5058, 0.4499, 0.4810

Inverse Universe

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



4.3804, 0.1581, 0.0891



7.5630, 0.1573, 0.0864



3.2796, 0.1651, 0.0684



7.5887, 0.2986, 0.3115



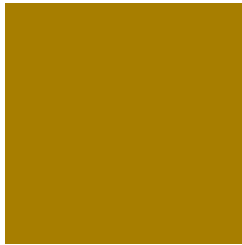
3.4158, 0.1585, 0.0906



0.1607, 0.1760, 0.1535

Previews

White Background



This preview shows how the Yxy color 23.1372, 0.4701, 0.4649 looks on a white background.

Color Contrast Check

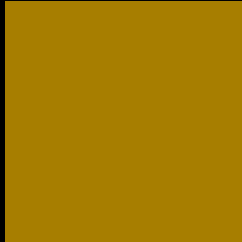
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1372, 0.4701, 0.4649 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 23.1372, 0.4701, 0.4649

Background



This preview shows how black text looks on a background with the Yxy color 23.1372, 0.4701, 0.4649.



This preview shows how white text looks on a background with the Yxy color 23.1372, 0.4701, 0.4649.

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

23.1372, 0.4701, 0.4649

Protanopia

23.2788, 0.4384, 0.4856

Deuteranopia

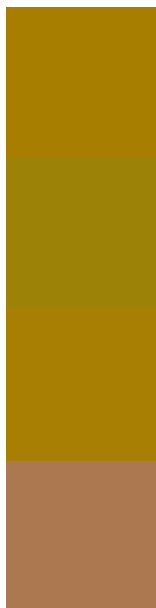
23.2553, 0.4703, 0.4628



Tritanopia

23.1132, 0.3736, 0.3156

Trichromacy



Original Color

23.1372, 0.4701, 0.4649

Protanomaly

23.0463, 0.4503, 0.4777

Deuteranomaly

23.2531, 0.4706, 0.4631

Tritanomaly

22.6701, 0.4283, 0.3890

Monochromacy



Original Color

23.1372, 0.4701, 0.4649

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.8072, 0.3854, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1372, 0.4701, 0.4649 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(167, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 126, 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(167, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 126, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.1372, 0.4701, 0.4649 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(167, 126, 0) }
```

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

```
.border{ border-color:rgb(167, 126, 0) }
```

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

Here you see how a box with a 4 pixel rgb(167, 126, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 126,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1372, 0.4701, 0.4649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 126, 0) }
```

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

```
.background{ background-color: rgb(167,  
126, 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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