

Converting Colors

$Y_{xy}(22.7617, 0.4829, 0.5081)$

Have a look what the booklet for
Yxy(22.7617, 0.4829, 0.5081)
contains.

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Color

Yxy(22.9119, 0.4592, 0.4736)

Conversions

Conversions Part 1

Format	Color
Hex	A08000
RGB	160, 128, 0
RGB Percent	63%, 50%, 0%
CMY	0.3726, 0.4980, 1.0000
CMYK	0.00, 0.20, 1.00, 0.37
HSL	48°, 100%, 31%
HSV	48°, 100%, 63%
XYZ	22.2153, 22.9119, 3.2510
YIQ	122.9760, 60.1600, -33.0240

Conversions

Conversions Part 2

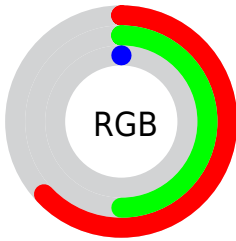
Format	Color
RYB	40, 160, 0
Decimal	10518528
CIELab	54.98, 2.04, 60.34
CIELCh	55, 60.370, 88.065
Yxy	22.9119, 0.4592, 0.4736
Android (android.graphics.Color)	4288708608 (0xFFA08000)
YUV	122.9760, -60.6272, 32.4700
Hunter-Lab	47.8664, -0.9226, 29.4796

Details

The Yxy color **22.9119, 0.4592, 0.4736** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **3.5700, 0.1559, 0.0811**, and the grayscale version is **19.9885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1078, 0.4358, 0.4505**, and **8.5350, 0.4663, 0.4680** is the 20% darker color. If you saturate the color by 10%, you get **22.9130, 0.4592, 0.4736**, and if you desaturate by 10%, it is **23.7982, 0.4509, 0.4720**.

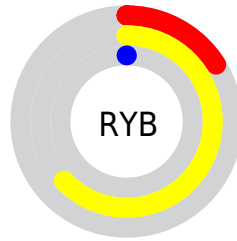
Distribution



Red (63%)

Green (50%)

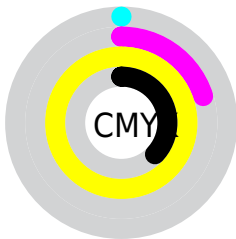
Blue (0%)



Red (16%)

Yellow (63%)

Blue (0%)

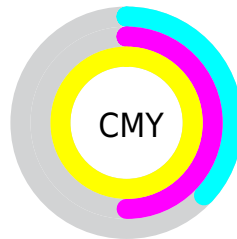


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (50%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9119, 0.4592, 0.4736 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 22.9119, 0.4592, 0.4736 by changing the saturation by 10% instead.


 22.9119, 0.4592,
0.4736


 22.9119, 0.4592,
0.4736


267.2722, 0.3865,
0.4031


 14.5285, 0.4729,
0.4861


 48.2486, 0.4350,
0.4506


 8.4891, 0.4942,
0.5058


 65.9707, 0.4251,
0.4410

 4.4095, 0.4959,
0.5041

 87.5745, 0.4164,
0.4325


 1.9052, 0.4987,
0.5013

 113.4443, 0.4088,
0.4251

 0.5515, 0.5100,
0.4900


 143.9646, 0.4021,
0.4185


 0.0000, 0.0000,
0.0000


 179.5197, 0.3963,

0.4128


 220.4941, 0.3911,
0.4077


 22.9119, 0.4592,
0.4736

 22.9119, 0.4592,
0.4736


 22.9130, 0.4592,
0.4736

 23.7982, 0.4509,
0.4720

 24.7393, 0.4404,
0.4669

 25.7494, 0.4273,
0.4573

 26.8342, 0.4121,
0.4438

 27.9984, 0.3954,
0.4272

■ 29.2465, 0.3781,
0.4085

■ 30.5821, 0.3607,
0.3886

■ 32.0090, 0.3438,
0.3683

■ 33.5305, 0.3277,
0.3483

Harmonies

Analogous

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



22.9119, 0.5133, 0.4009



22.9119, 0.4592, 0.4736



22.9119, 0.3724, 0.5248

Triad

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



22.9119, 0.4592, 0.4736



22.9119, 0.1499, 0.2800



22.9119, 0.3221, 0.2130

Complementary

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



22.9119, 0.4592, 0.4736



3.5700, 0.1559, 0.0811

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.



22.9119, 0.2272, 0.1832



22.9119, 0.4592, 0.4736



22.9119, 0.1425, 0.2087

Square

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



22.9119, 0.4592, 0.4736



22.9119, 0.1946, 0.3957



22.9119, 0.1677, 0.1800



22.9119, 0.4320, 0.2649

Rectangle

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



22.9119, 0.4592, 0.4736



22.9119, 0.3077, 0.5213



22.9119, 0.1677, 0.1800



22.9119, 0.2871, 0.2003

Sweetspot

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



22.9130, 0.4592, 0.4736



55.3894, 0.3617, 0.3897



7.5771, 0.6052, 0.3107



11.9344, 0.3685, 0.3977



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



22.9130, 0.4592, 0.4736



41.3164, 0.4601, 0.4729



28.5834, 0.3678, 0.5461



7.4949, 0.3265, 0.3468



17.9133, 0.4587, 0.4739



0.3729, 0.4405, 0.4884

Inverse Universe

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



3.5700, 0.1559, 0.0811



6.2504, 0.1552, 0.0786



3.1661, 0.1711, 0.0716



6.6394, 0.2988, 0.3106



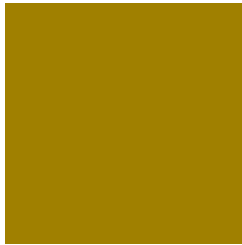
2.8339, 0.1562, 0.0824



0.1018, 0.1737, 0.1454

Previews

White Background



This preview shows how the Yxy color 22.9119, 0.4592, 0.4736 looks on a white background.

Color Contrast Check

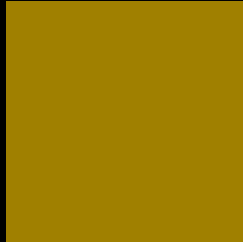
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9119, 0.4592, 0.4736 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 22.9119, 0.4592, 0.4736

Background



This preview shows how black text looks on a background with the Yxy color 22.9119, 0.4592, 0.4736.

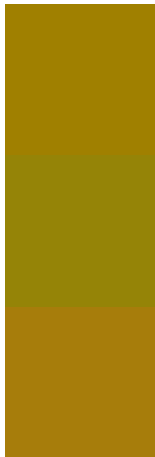


This preview shows how white text looks on a background with the Yxy color 22.9119, 0.4592, 0.4736.

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

22.9119, 0.4592, 0.4736

Protanopia

22.9074, 0.4389, 0.4861

Deuteranopia

22.9069, 0.4690, 0.4605



Tritanopia

22.9677, 0.3627, 0.3152

Trichromacy



Original Color

22.9119, 0.4592, 0.4736

Protanomaly

23.0137, 0.4458, 0.4822

Deuteranomaly

22.8296, 0.4651, 0.4655

Tritanomaly

22.4057, 0.4166, 0.3930

Monochromacy



Original Color

22.9119, 0.4592, 0.4736

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.4515, 0.3812, 0.4134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9119, 0.4592, 0.4736 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(160, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 128, 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(160, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 128, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.9119, 0.4592, 0.4736 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(160, 128, 0) }
```

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

```
.border{ border-color:rgb(160, 128, 0) }
```

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

Here you see how a box with a 4 pixel rgb(160, 128, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 128,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9119, 0.4592, 0.4736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 128, 0) }
```

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

```
.background{ background-color: rgb(160,  
128, 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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