

Converting Colors

$Y_{xy}(22.1591, 0.4623, 0.4224)$

Have a look what the booklet for
Yxy(22.1591, 0.4623, 0.4224)
contains.

Yxy(22.1946, 0.4615, 0.4235)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.1946, 0.4615, 0.4235)

Conversions

Conversions Part 1

Format	Color
Hex	AC7732
RGB	172, 119, 50
RGB Percent	67%, 47%, 20%
CMY	0.3255, 0.5333, 0.8039
CMYK	0.00, 0.31, 0.71, 0.33
HSL	34°, 55%, 44%
HSV	34°, 71%, 67%
XYZ	24.1861, 22.1946, 6.0269
YIQ	126.9810, 53.7370, -10.2230

Conversions

Conversions Part 2

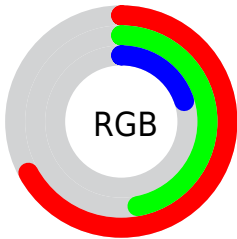
Format	Color
RYB	144, 172, 50
Decimal	11302706
CIELab	54.23, 14.12, 44.87
CIElCh	54, 47.038, 72.536
Yxy	22.1946, 0.4615, 0.4235
Android (android.graphics.Color)	4289492786 (0xFFAC7732)
YUV	126.9810, -37.9516, 39.4817
Hunter-Lab	47.1111, 9.1945, 25.3929

Details

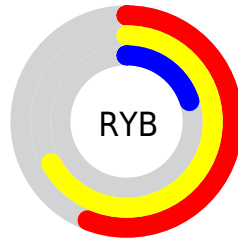
The Yxy color **22.1946, 0.4615, 0.4235** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.3571, 0.2006, 0.1968**, and the grayscale version is **21.3363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0348, 0.4318, 0.4077**, and **8.1513, 0.5024, 0.4393** is the 20% darker color. If you saturate the color by 10%, you get **20.3649, 0.4844, 0.4284**, and if you desaturate by 10%, it is **24.2222, 0.4372, 0.4144**.

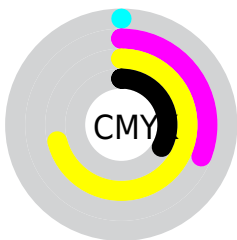
Distribution



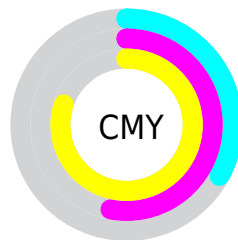
- Red (67%)
- Green (47%)
- Blue (20%)



- Red (56%)
- Yellow (67%)
- Blue (20%)



- Cyan (0%)
- Magenta (31%)
- Yellow (71%)
- Black (33%)





- Cyan (33%)
- Magenta (53%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1946, 0.4615, 0.4235 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 22.1946, 0.4615, 0.4235 by changing the saturation by 10% instead.


 22.1946, 0.4615,
0.4235


 22.1946, 0.4615,
0.4235


263.5608, 0.3811,
0.3774


 14.0000, 0.4816,
0.4322


 47.0674, 0.4317,
0.4082


 8.1206, 0.5059,
0.4404


 64.5144, 0.4206,
0.4018

 4.1722, 0.5459,
0.4541

 85.8142, 0.4113,
0.3963

 1.7704, 0.5641,
0.4359

 111.3514, 0.4034,
0.3915

 0.4686, 0.6277,
0.3723

 141.5102, 0.3966,
0.3873

 0.0000, 0.0000,
0.0000

 176.6752, 0.3908,

0.3836

217.2306, 0.3856,
0.3803

■ 22.1946, 0.4615,
0.4235

■ 22.1946, 0.4615,
0.4235

■ 20.3649, 0.4844,
0.4284

■ 24.2222, 0.4372,
0.4144

■ 18.7198, 0.5048,
0.4283

■ 26.4530, 0.4129,
0.4024

■ 17.3725, 0.5209,
0.4246

■ 28.8960, 0.3895,
0.3884

■ 31.5585, 0.3677,
0.3736

■ 34.4475, 0.3479,
0.3587

■ 37.5693, 0.3300,
0.3441

■ 40.9303, 0.3141,
0.3302

■ 44.5361, 0.3000,
0.3172

■ 48.3926, 0.2877,
0.3052

Harmonies

Analogous

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



22.1946, 0.4781, 0.3633



22.1946, 0.4615, 0.4235



22.1946, 0.4049, 0.4721

Triad

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



22.1946, 0.4615, 0.4235



22.1946, 0.1955, 0.3369



22.1946, 0.2788, 0.2174

Complementary

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



22.1946, 0.4615, 0.4235



13.3571, 0.2006, 0.1968

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.



22.1946, 0.2140, 0.2038



22.1946, 0.4615, 0.4235



22.1946, 0.1713, 0.2596

Square

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



22.1946, 0.4615, 0.4235



22.1946, 0.2512, 0.4277



22.1946, 0.1780, 0.2161



22.1946, 0.3638, 0.2529

Rectangle

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



22.1946, 0.4615, 0.4235



22.1946, 0.3546, 0.4848



22.1946, 0.1780, 0.2161



22.1946, 0.2542, 0.2102

Sweetspot

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



22.1957, 0.4615, 0.4235



62.2486, 0.3487, 0.3594



12.0701, 0.4372, 0.2549



13.2175, 0.3538, 0.3633



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.



22.1957, 0.4615, 0.4235



35.2346, 0.4962, 0.4290



37.8321, 0.4002, 0.4878



8.7387, 0.3273, 0.3418



13.0385, 0.5196, 0.4256



0.4689, 0.4818, 0.4556

Inverse Universe

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



13.3571, 0.2006, 0.1968



18.3486, 0.1826, 0.1637



6.1037, 0.1826, 0.1090



8.3081, 0.2986, 0.3158



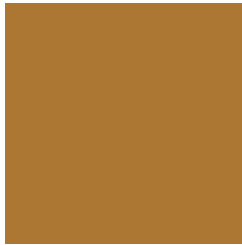
6.0382, 0.1721, 0.1394



0.2781, 0.1890, 0.2003

Previews

White Background



This preview shows how the Yxy color 22.1946, 0.4615, 0.4235 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 22.1946, 0.4615, 0.4235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

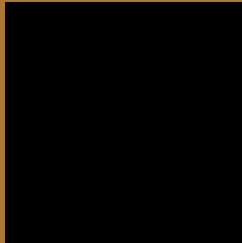
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.1946, 0.4615, 0.4235

Background



This preview shows how black text looks on a background with the Yxy color 22.1946, 0.4615, 0.4235.



This preview shows how white text looks on a background with the Yxy color 22.1946, 0.4615, 0.4235.

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

22.1946, 0.4615, 0.4235

Protanopia

22.2420, 0.4132, 0.4527

Deuteranopia

22.3184, 0.4444, 0.4376



Tritanopia

22.2915, 0.3889, 0.3174

Trichromacy



Original Color

22.1946, 0.4615, 0.4235

Protanomaly

22.1382, 0.4309, 0.4417

Deuteranomaly

22.2478, 0.4516, 0.4323

Tritanomaly

22.2017, 0.4185, 0.3591

Monochromacy



Original Color

22.1946, 0.4615, 0.4235

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.1558, 0.3664, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1946, 0.4615, 0.4235 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(172, 119, 50)` looks like.

```
.text, #text, p{  
    color:rgb(172, 119, 50)  
}
```

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(172, 119, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 119, 50) }
```

Border

The CSS property to change the border of an element to Yxy 22.1946, 0.4615, 0.4235 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(172, 119, 50) }
```

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

```
.border{ border-color:rgb(172, 119, 50) }
```

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

Here you see how a box with a 4 pixel rgb(172, 119, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 119, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 119, 50);  
box-shadow:4px 4px 4px 4px rgb(172, 119,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1946, 0.4615, 0.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 119, 50) }
```

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

```
.background{ background-color: rgb(172,  
119, 50) }
```

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