

Converting Colors

$Y_{xy}(22.2322, 0.4499, 0.4299)$

Have a look what the booklet for
Yxy(22.2322, 0.4499, 0.4299)
contains.

Yxy(22.2651, 0.4499, 0.4302)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.2651, 0.4499, 0.4302)

Conversions

Conversions Part 1

Format	Color
Hex	A67A33
RGB	166, 122, 51
RGB Percent	65%, 48%, 20%
CMY	0.3490, 0.5216, 0.7999
CMYK	0.00, 0.27, 0.69, 0.35
HSL	37°, 53%, 43%
HSV	37°, 69%, 65%
XYZ	23.2847, 22.2651, 6.2055
YIQ	127.0620, 49.0150, -12.7530

Conversions

Conversions Part 2

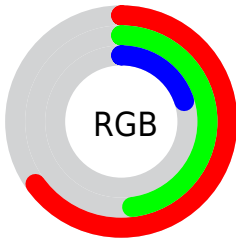
Format	Color
R_{YB}	122, 166, 51
Decimal	10910259
CIE _{Lab}	54.31, 9.81, 44.25
CIE _{LCh}	54, 45.327, 77.501
Yxy	22.2651, 0.4499, 0.4302
Android (android.graphics.Color)	4289100339 (0xFFA67A33)
YUV	127.0620, -37.4986, 34.1486
Hunter-Lab	47.1859, 5.5085, 25.2329

Details

The Yxy color **22.2651, 0.4499, 0.4302** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.6490, 0.2002, 0.1889**, and the grayscale version is **21.3662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0590, 0.4225, 0.4123**, and **8.2126, 0.4876, 0.4510** is the 20% darker color. If you saturate the color by 10%, you get **20.6352, 0.4707, 0.4370**, and if you desaturate by 10%, it is **24.0515, 0.4277, 0.4195**.

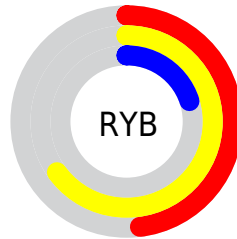
Distribution



Red (65%)

Green (48%)

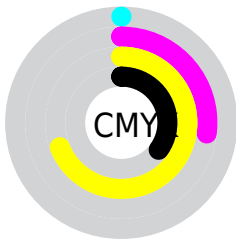
Blue (20%)



Red (48%)

Yellow (65%)

Blue (20%)

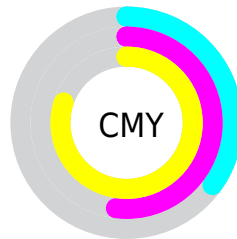


Cyan (0%)

Magenta (27%)

Yellow (69%)

Black (35%)



Cyan (35%)


Magenta (52%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2651, 0.4499, 0.4302 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 22.2651, 0.4499, 0.4302 by changing the saturation by 10% instead.


 22.2651, 0.4499,
0.4302


 22.2651, 0.4499,
0.4302


263.9276, 0.3761,
0.3793


 14.0518, 0.4682,
0.4408


 47.1838, 0.4226,
0.4126

 8.1567, 0.4904,
0.4518


 64.6579, 0.4124,
0.4056

 4.1954, 0.5285,
0.4715

 85.9879, 0.4038,
0.3996

 1.7835, 0.5415,
0.4585

 111.5579, 0.3965,
0.3944

 0.4768, 0.5923,
0.4077

 141.7525, 0.3903,
0.3899

 0.0000, 0.0000,
0.0000

 176.9561, 0.3849,

0.3859

217.5530, 0.3802,
0.3824

■ 22.2651, 0.4499,
0.4302

■ 22.2651, 0.4499,
0.4302

■ 20.6352, 0.4707,
0.4370

■ 24.0515, 0.4277,
0.4195

■ 19.1507, 0.4891,
0.4390

■ 25.9981, 0.4054,
0.4059

■ 17.7988, 0.5048,
0.4366

■ 28.1120, 0.3836,
0.3907

■ 17.7030, 0.5060,
0.4364

■ 30.3993, 0.3631,
0.3747

■ 32.8651, 0.3442,
0.3585

■ 35.5146, 0.3270,
0.3429

■ 38.3527, 0.3116,
0.3279

■ 41.3839, 0.2979,
0.3139

■ 44.6126, 0.2857,
0.3009

Harmonies

Analogous

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



22.2651, 0.4730, 0.3728



22.2651, 0.4499, 0.4302



22.2651, 0.3909, 0.4722

Triad

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



22.2651, 0.4499, 0.4302



22.2651, 0.1933, 0.3228



22.2651, 0.2929, 0.2252

Complementary

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



22.2651, 0.4499, 0.4302



11.6490, 0.2002, 0.1889

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.



22.2651, 0.2258, 0.2082



22.2651, 0.4499, 0.4302



22.2651, 0.1748, 0.2531

Square

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



22.2651, 0.4499, 0.4302



22.2651, 0.2429, 0.4103



22.2651, 0.1860, 0.2159



22.2651, 0.3759, 0.2628

Rectangle

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



22.2651, 0.4499, 0.4302



22.2651, 0.3411, 0.4779



22.2651, 0.1860, 0.2159



22.2651, 0.2679, 0.2170

Sweetspot

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



22.2662, 0.4499, 0.4302



58.6608, 0.3481, 0.3620



11.3061, 0.4485, 0.2671



12.8591, 0.3530, 0.3662



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.



22.2662, 0.4499, 0.4302



35.9925, 0.4808, 0.4387



34.2472, 0.3908, 0.4903



8.2842, 0.3271, 0.3429



13.8188, 0.5050, 0.4372



0.4305, 0.4702, 0.4648

Inverse Universe

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



11.6490, 0.2002, 0.1889



15.6344, 0.1810, 0.1540



6.2286, 0.1920, 0.1171



7.7537, 0.2986, 0.3147



5.0226, 0.1679, 0.1243



0.2214, 0.1869, 0.1929

Previews

White Background



This preview shows how the Yxy color 22.2651, 0.4499, 0.4302 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 22.2651, 0.4499, 0.4302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

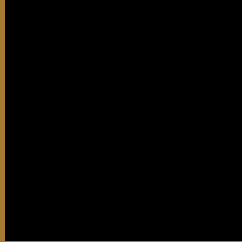
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2651, 0.4499, 0.4302

Background



This preview shows how black text looks on a background with the Yxy color 22.2651, 0.4499, 0.4302.



This preview shows how white text looks on a background with the Yxy color 22.2651, 0.4499, 0.4302.

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

22.2651, 0.4499, 0.4302

Protanopia

22.2420, 0.4132, 0.4527

Deuteranopia

22.3357, 0.4427, 0.4355



Tritanopia

22.3495, 0.3759, 0.3170

Trichromacy



Original Color

22.2651, 0.4499, 0.4302

Protanomaly

22.1990, 0.4273, 0.4444

Deuteranomaly

22.1915, 0.4451, 0.4335

Tritanomaly

22.2550, 0.4062, 0.3616

Monochromacy



Original Color

22.2651, 0.4499, 0.4302

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.2308, 0.3633, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2651, 0.4499, 0.4302 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(166, 122, 51)` looks like.

```
.text, #text, p{  
    color:rgb(166, 122, 51)  
}
```

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(166, 122, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 122, 51) }
```

Border

The CSS property to change the border of an element to Yxy 22.2651, 0.4499, 0.4302 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(166, 122, 51) }
```

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

```
.border{ border-color:rgb(166, 122, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 122, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 122, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 122, 51);  
box-shadow:4px 4px 4px 4px rgb(166, 122,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2651, 0.4499, 0.4302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 122, 51) }
```

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

```
.background{ background-color: rgb(166,  
122, 51) }
```

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