

Converting Colors

$Y_{xy}(22.2147, 0.4295, 0.4648)$

Have a look what the booklet for
Yxy(22.2147, 0.4295, 0.4648)
contains.

Yxy(22.2300, 0.4303, 0.4644)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.2300, 0.4303, 0.4644)

Conversions

Conversions Part 1

Format	Color
Hex	958126
RGB	149, 129, 38
RGB Percent	58%, 51%, 15%
CMY	0.4156, 0.4941, 0.8509
CMYK	0.00, 0.13, 0.74, 0.42
HSL	49°, 59%, 37%
HSV	49°, 74%, 58%
XYZ	20.5977, 22.2300, 5.0405
YIQ	124.6060, 41.1310, -24.0610

Conversions

Conversions Part 2

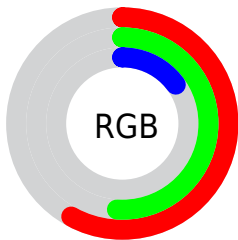
Format	Color
RYB	62, 149, 38
Decimal	9797926
CIELab	54.27, -2.56, 49.34
CIELCh	54, 49.409, 92.970
Yxy	22.2300, 0.4303, 0.4644
Android (android.graphics.Color)	4287988006 (0xFF958126)
YUV	124.6060, -42.6968, 21.3935
Hunter-Lab	47.1487, -4.5295, 26.6656

Details

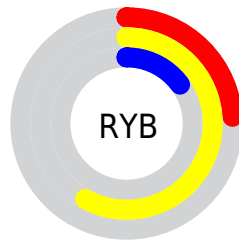
The Yxy color **22.2300, 0.4303, 0.4644** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.6140, 0.1823, 0.1322**, and the grayscale version is **20.5066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2990, 0.4090, 0.4398**, and **8.1702, 0.4481, 0.4824** is the 20% darker color. If you saturate the color by 10%, you get **21.4543, 0.4416, 0.4725**, and if you desaturate by 10%, it is **23.0649, 0.4166, 0.4522**.

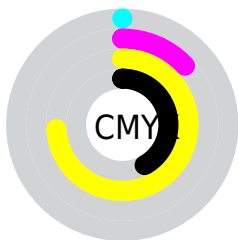
Distribution



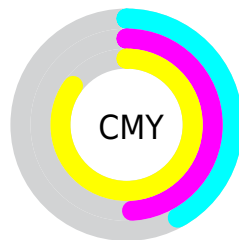
- Red (58%)
- Green (51%)
- Blue (15%)



- Red (24%)
- Yellow (58%)
- Blue (15%)



- Cyan (0%)
- Magenta (13%)
- Yellow (74%)
- Black (42%)



- Cyan (42%)
- Magenta (49%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2300, 0.4303, 0.4644 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 22.2300, 0.4303, 0.4644 by changing the saturation by 10% instead.


 22.2300, 0.4303,
0.4644


 22.2300, 0.4303,
0.4644


263.7450, 0.3696,
0.3932


 14.0260, 0.4435,
0.4807


 47.1258, 0.4089,
0.4388


 8.1387, 0.4584,
0.4998


 64.5865, 0.4006,
0.4290


 4.1839, 0.4762,
0.5238

 85.9014, 0.3934,
0.4207


 1.7769, 0.4725,
0.5275

 111.4551, 0.3872,
0.4135

 0.4727, 0.4500,
0.5500

 141.6319, 0.3819,
0.4074

 0.0000, 0.0000,
0.0000

 176.8163, 0.3773,

0.4020

217.3925, 0.3732,
0.3973

■ 22.2300, 0.4303,
0.4644

■ 22.2300, 0.4303,
0.4644

■ 21.4543, 0.4416,
0.4725

■ 23.0649, 0.4166,
0.4522

■ 20.7295, 0.4503,
0.4761

■ 23.9602, 0.4011,
0.4366

■ 20.3441, 0.4545,
0.4773

■ 24.9207, 0.3846,
0.4184

■ 25.9495, 0.3676,
0.3987

■ 27.0500, 0.3508,
0.3782

■ 28.2248, 0.3346,
0.3577

■ 29.4766, 0.3193,
0.3377

■ 30.8078, 0.3050,
0.3186

■ 32.2209, 0.2919,
0.3006

Harmonies

Analogous

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



22.2300, 0.4790, 0.4067



22.2300, 0.4303, 0.4644



22.2300, 0.3544, 0.4928

Triad

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



22.2300, 0.4303, 0.4644



22.2300, 0.1699, 0.2779



22.2300, 0.3367, 0.2358

Complementary

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



22.2300, 0.4303, 0.4644



5.6140, 0.1823, 0.1322

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.



22.2300, 0.2525, 0.2058



22.2300, 0.4303, 0.4644



22.2300, 0.1672, 0.2216

Square

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



22.2300, 0.4303, 0.4644



22.2300, 0.2052, 0.3681



22.2300, 0.1946, 0.1996



22.2300, 0.4251, 0.2844

Rectangle

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



22.2300, 0.4303, 0.4644



22.2300, 0.2988, 0.4778



22.2300, 0.1946, 0.1996



22.2300, 0.3065, 0.2234

Sweetspot

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



22.2311, 0.4303, 0.4644



48.8460, 0.3474, 0.3740



8.0885, 0.5166, 0.3014



10.7159, 0.3514, 0.3789



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



22.2311, 0.4303, 0.4644



37.5801, 0.4474, 0.4753



25.2104, 0.3679, 0.5146



6.5686, 0.3264, 0.3470



17.1562, 0.4543, 0.4775



0.2473, 0.4351, 0.4927

Inverse Universe

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



5.6140, 0.1823, 0.1322



6.5440, 0.1625, 0.0943



4.9814, 0.2075, 0.1164



5.7922, 0.2989, 0.3103



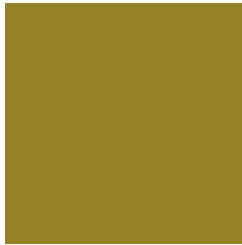
2.5148, 0.1555, 0.0796



0.0623, 0.1728, 0.1419

Previews

White Background



This preview shows how the Yxy color 22.2300, 0.4303, 0.4644 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 22.2300, 0.4303, 0.4644 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 22.2300, 0.4303, 0.4644

Background



This preview shows how black text looks on a background with the Yxy color 22.2300, 0.4303, 0.4644.



This preview shows how white text looks on a background with the Yxy color 22.2300, 0.4303, 0.4644.

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

22.2300, 0.4303, 0.4644

Protanopia

22.2162, 0.4253, 0.4681

Deuteranopia

22.1056, 0.4536, 0.4442



Tritanopia

22.1126, 0.3461, 0.3129

Trichromacy



Original Color

22.2300, 0.4303, 0.4644

Protanomaly

22.3082, 0.4266, 0.4673

Deuteranomaly

22.0828, 0.4457, 0.4514

Tritanomaly

21.8013, 0.3824, 0.3726

Monochromacy



Original Color

22.2300, 0.4303, 0.4644

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.7804, 0.3608, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2300, 0.4303, 0.4644 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(149, 129, 38)` looks like.

```
.text, #text, p{  
    color:rgb(149, 129, 38)  
}
```

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(149, 129, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 129, 38) }
```

Border

The CSS property to change the border of an element to Yxy 22.2300, 0.4303, 0.4644 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(149, 129, 38) }
```

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

```
.border{ border-color:rgb(149, 129, 38) }
```

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

Here you see how a box with a 4 pixel rgb(149, 129, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 129, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 129, 38);  
box-shadow:4px 4px 4px 4px rgb(149, 129,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2300, 0.4303, 0.4644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 129, 38) }
```

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

```
.background{ background-color: rgb(149,  
129, 38) }
```

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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