

Converting Colors

$Y_{xy}(22.8803, 0.4450, 0.4152)$

Have a look what the booklet for
Yxy(22.8803, 0.4450, 0.4152)
contains.

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Color

Yxy(22.8129, 0.4446, 0.4156)

Conversions

Conversions Part 1

Format	Color
Hex	AA7A3E
RGB	170, 122, 62
RGB Percent	67%, 48%, 24%
CMY	0.3334, 0.5215, 0.7569
CMYK	0.00, 0.28, 0.64, 0.33
HSL	33°, 47%, 45%
HSV	33°, 64%, 67%
XYZ	24.4048, 22.8129, 7.6738
YIQ	129.5120, 47.8680, -8.4840

Conversions

Conversions Part 2

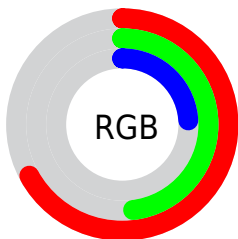
Format	Color
R _Y B	148, 170, 62
Decimal	11172414
CIE Lab	54.88, 12.28, 39.59
CIE LCh	55, 41.454, 72.764
Yxy	22.8129, 0.4446, 0.4156
Android (android.graphics.Color)	4289362494 (0xFFAA7A3E)
YUV	129.5120, -33.2834, 35.5080
Hunter-Lab	47.7629, 7.6208, 23.9082

Details

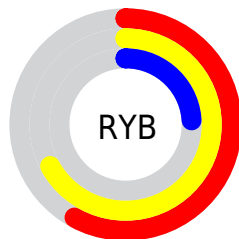
The Yxy color **22.8129, 0.4446, 0.4156** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.0726, 0.2115, 0.2152**, and the grayscale version is **22.2492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9359, 0.4174, 0.3997**, and **8.3716, 0.4876, 0.4345** is the 20% darker color. If you saturate the color by 10%, you get **20.8723, 0.4691, 0.4235**, and if you desaturate by 10%, it is **24.9583, 0.4198, 0.4044**.

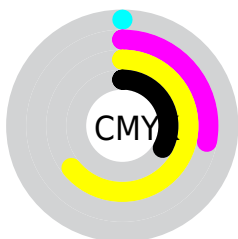
Distribution



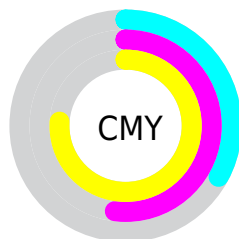
- Red (67%)
- Green (48%)
- Blue (24%)



- Red (58%)
- Yellow (67%)
- Blue (24%)



- Cyan (0%)
- Magenta (28%)
- Yellow (64%)
- Black (33%)




- Cyan (33%)
- Magenta (52%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8129, 0.4446, 0.4156 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 22.8129, 0.4446, 0.4156 by changing the saturation by 10% instead.


 22.8129, 0.4446,
0.4156

 22.8129, 0.4446,
0.4156


266.7626, 0.3727,
0.3720


 14.4554, 0.4633,
0.4249


 48.0859, 0.4176,
0.4005


 8.4381, 0.4868,
0.4349


 65.7703, 0.4076,
0.3945

 4.3765, 0.5250,
0.4512

 87.3323, 0.3993,
0.3893

 1.8863, 0.5533,
0.4467

 113.1565, 0.3923,
0.3849

 0.5401, 0.6009,
0.3991

 143.6273, 0.3864,
0.3811

 0.0000, 0.0000,
0.0000

 179.1289, 0.3812,

0.3777

220.0459, 0.3767,
0.3747

■ 22.8129, 0.4446,
0.4156

■ 22.8129, 0.4446,
0.4156

■ 20.8723, 0.4691,
0.4235

■ 24.9583, 0.4198,
0.4044

■ 19.1242, 0.4920,
0.4270

■ 27.3131, 0.3959,
0.3911

■ 17.5596, 0.5119,
0.4254

■ 29.8860, 0.3734,
0.3767

■ 16.6332, 0.5236,
0.4224

■ 32.6840, 0.3529,
0.3620

■ 35.7136, 0.3345,
0.3475

■ 38.9810, 0.3180,
0.3337

■ 42.4923, 0.3035,
0.3207

■ 46.2531, 0.2908,
0.3086

■ 50.2690, 0.2796,
0.2974

Harmonies

Analogous

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



22.8129, 0.4578, 0.3623



22.8129, 0.4446, 0.4156



22.8129, 0.3954, 0.4558

Triad

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



22.8129, 0.4446, 0.4156



22.8129, 0.2088, 0.3363



22.8129, 0.2840, 0.2294

Complementary

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



22.8129, 0.4446, 0.4156



15.0726, 0.2115, 0.2152

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.



22.8129, 0.2255, 0.2172



22.8129, 0.4446, 0.4156



22.8129, 0.1864, 0.2687

Square

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



22.8129, 0.4446, 0.4156



22.8129, 0.2591, 0.4134



22.8129, 0.1924, 0.2290



22.8129, 0.3585, 0.2617

Rectangle

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



22.8129, 0.4446, 0.4156



22.8129, 0.3511, 0.4643



22.8129, 0.1924, 0.2290



22.8129, 0.2620, 0.2229

Sweetspot

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



22.8140, 0.4446, 0.4156



61.5588, 0.3449, 0.3559



13.1285, 0.4178, 0.2594



13.3921, 0.3502, 0.3599



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.



22.8140, 0.4446, 0.4156



36.6143, 0.4782, 0.4254



37.0483, 0.3942, 0.4761



8.2076, 0.3272, 0.3416



12.3499, 0.5222, 0.4236



0.4001, 0.4801, 0.4570

Inverse Universe

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



15.0726, 0.2115, 0.2152



21.5077, 0.1932, 0.1856



7.5542, 0.1960, 0.1308



7.8287, 0.2987, 0.3161



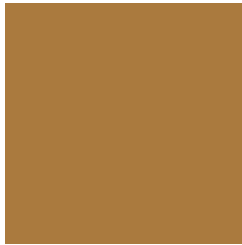
5.9975, 0.1730, 0.1427



0.2487, 0.1912, 0.2084

Previews

White Background



This preview shows how the Yxy color 22.8129, 0.4446, 0.4156 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 22.8129, 0.4446, 0.4156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

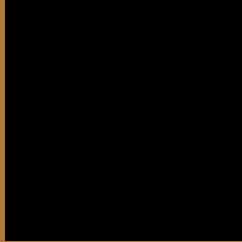
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8129, 0.4446, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 22.8129, 0.4446, 0.4156.



This preview shows how white text looks on a background with the Yxy color 22.8129, 0.4446, 0.4156.

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

22.8129, 0.4446, 0.4156

Protanopia

22.9952, 0.4020, 0.4390

Deuteranopia

22.7907, 0.4339, 0.4247



Tritanopia

22.7154, 0.3783, 0.3157

Trichromacy



Original Color

22.8129, 0.4446, 0.4156

Protanomaly

22.7771, 0.4180, 0.4296

Deuteranomaly

22.8592, 0.4386, 0.4217

Tritanomaly

22.7807, 0.4061, 0.3550

Monochromacy



Original Color

22.8129, 0.4446, 0.4156

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.2184, 0.3604, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8129, 0.4446, 0.4156 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(170, 122, 62)` looks like.

```
.text, #text, p{  
    color:rgb(170, 122, 62)  
}
```

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(170, 122, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 122, 62) }
```

Border

The CSS property to change the border of an element to Yxy 22.8129, 0.4446, 0.4156 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(170, 122, 62) }
```

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

```
.border{ border-color:rgb(170, 122, 62) }
```

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

Here you see how a box with a 4 pixel rgb(170, 122, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 122, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 122, 62);  
box-shadow:4px 4px 4px 4px rgb(170, 122,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8129, 0.4446, 0.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 122, 62) }
```

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

```
.background{ background-color: rgb(170,  
122, 62) }
```

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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