

Converting Colors

$Y_{xy}(24.4070, 0.4320, 0.4226)$

Have a look what the booklet for
Yxy(24.4070, 0.4320, 0.4226)
contains.

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Color

Yxy(24.4070, 0.4320, 0.4226)

Conversions

Conversions Part 1

Format	Color
Hex	A88141
RGB	168, 129, 65
RGB Percent	66%, 51%, 25%
CMY	0.3413, 0.4941, 0.7451
CMYK	0.00, 0.23, 0.61, 0.34
HSL	37°, 44%, 46%
HSV	37°, 61%, 66%
XYZ	24.9499, 24.4070, 8.3975
YIQ	133.3650, 43.7880, -11.6360

Conversions

Conversions Part 2

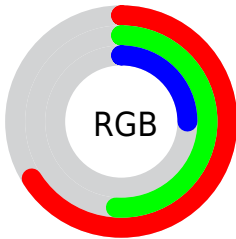
Format	Color
RYB	128, 168, 65
Decimal	11043137
CIELab	56.49, 7.68, 39.86
CIELCh	56, 40.588, 79.100
Yxy	24.4070, 0.4320, 0.4226
Android (android.graphics.Color)	4289233217 (0xFFA88141)
YUV	133.3650, -33.7039, 30.3749
Hunter-Lab	49.4034, 3.6906, 24.5044

Details

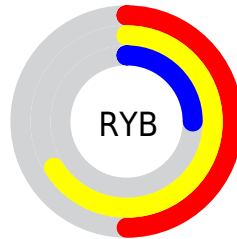
The Yxy color **24.4070, 0.4320, 0.4226** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.8456, 0.2118, 0.2066**, and the grayscale version is **23.7093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8625, 0.4082, 0.4056**, and **9.2854, 0.4693, 0.4459** is the 20% darker color. If you saturate the color by 10%, you get **22.6184, 0.4538, 0.4327**, and if you desaturate by 10%, it is **26.3600, 0.4097, 0.4095**.

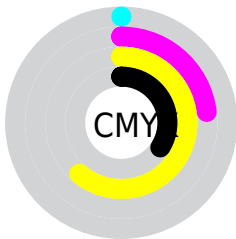
Distribution



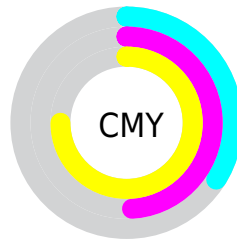
- Red (66%)
- Green (51%)
- Blue (25%)



- Red (50%)
- Yellow (66%)
- Blue (25%)



- Cyan (0%)
- Magenta (23%)
- Yellow (61%)
- Black (34%)





- Cyan (34%)
- Magenta (49%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4070, 0.4320, 0.4226 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 24.4070, 0.4320, 0.4226 by changing the saturation by 10% instead.


 24.4070, 0.4320,
0.4226

 24.4070, 0.4320,
0.4226


274.8717, 0.3679,
0.3746


 15.6358, 0.4483,
0.4336


 50.6936, 0.4081,
0.4055

 9.2668, 0.4687,
0.4462


 68.9777, 0.3993,
0.3989


 4.9156, 0.4982,
0.4634

 91.2016, 0.3919,
0.3933

 2.1978, 0.5273,
0.4727

 117.7497, 0.3856,
0.3885

 0.7188, 0.5478,
0.4522

 149.0064, 0.3802,
0.3843

 0.0000, 0.0000,
0.0000

185.3560, 0.3756,

0.3807

227.1830, 0.3715,
0.3775

■ 24.4070, 0.4320,
0.4226

■ 24.4070, 0.4320,
0.4226

■ 22.6184, 0.4538,
0.4327

■ 26.3600, 0.4097,
0.4095

■ 20.9836, 0.4740,
0.4386

■ 28.4805, 0.3879,
0.3944

■ 19.4955, 0.4915,
0.4396

■ 30.7754, 0.3671,
0.3783

■ 18.3067, 0.5049,
0.4373

■ 33.2505, 0.3479,
0.3621

■ 35.9110, 0.3304,
0.3461

■ 38.7617, 0.3146,
0.3309

■ 41.8075, 0.3006,
0.3166

■ 45.0528, 0.2881,
0.3033

■ 48.5021, 0.2770,
0.2910

Harmonies

Analogous

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



24.4070, 0.4527, 0.3729



24.4070, 0.4320, 0.4226



24.4070, 0.3798, 0.4552

Triad

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



24.4070, 0.4320, 0.4226



24.4070, 0.2059, 0.3209



24.4070, 0.2997, 0.2381

Complementary

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



24.4070, 0.4320, 0.4226



13.8456, 0.2118, 0.2066

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.



24.4070, 0.2389, 0.2219



24.4070, 0.4320, 0.4226



24.4070, 0.1900, 0.2610

Square

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



24.4070, 0.4320, 0.4226



24.4070, 0.2493, 0.3950



24.4070, 0.2014, 0.2283



24.4070, 0.3718, 0.2729

Rectangle

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



24.4070, 0.4320, 0.4226



24.4070, 0.3357, 0.4564



24.4070, 0.2014, 0.2283



24.4070, 0.2773, 0.2304

Sweetspot

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



24.4082, 0.4320, 0.4226



61.7530, 0.3425, 0.3573



13.1131, 0.4253, 0.2712



13.1716, 0.3476, 0.3618



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.



24.4082, 0.4320, 0.4226



39.8182, 0.4623, 0.4356



35.4444, 0.3850, 0.4762



8.2896, 0.3271, 0.3430



13.9290, 0.5038, 0.4382



0.4327, 0.4695, 0.4654

Inverse Universe

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



13.8456, 0.2118, 0.2066



19.0588, 0.1915, 0.1734



8.1861, 0.2066, 0.1407



7.7485, 0.2986, 0.3146



4.9602, 0.1675, 0.1231



0.2195, 0.1866, 0.1917

Previews

White Background



This preview shows how the Yxy color 24.4070, 0.4320, 0.4226 looks on a white background.

Color Contrast Check

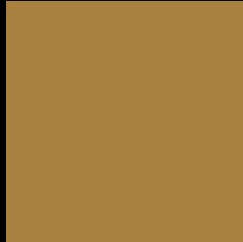
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4070, 0.4320, 0.4226 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 24.4070, 0.4320, 0.4226

Background



This preview shows how black text looks on a background with the Yxy color 24.4070, 0.4320, 0.4226.



This preview shows how white text looks on a background with the Yxy color 24.4070, 0.4320, 0.4226.

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

24.4070, 0.4320, 0.4226

Protanopia

24.4976, 0.4017, 0.4394

Deuteranopia

24.2977, 0.4308, 0.4231



Tritanopia

24.4420, 0.3654, 0.3157

Trichromacy



Original Color

24.4070, 0.4320, 0.4226

Protanomaly

24.3365, 0.4139, 0.4327

Deuteranomaly

24.2977, 0.4308, 0.4231

Tritanomaly

24.3867, 0.3917, 0.3567

Monochromacy



Original Color

24.4070, 0.4320, 0.4226

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.6962, 0.3561, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4070, 0.4320, 0.4226 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(168, 129, 65)` looks like.

```
.text, #text, p{  
    color:rgb(168, 129, 65)  
}
```

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(168, 129, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 129, 65) }
```

Border

The CSS property to change the border of an element to Yxy 24.4070, 0.4320, 0.4226 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(168, 129, 65) }
```

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

```
.border{ border-color:rgb(168, 129, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 129, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 129, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 129, 65);  
box-shadow:4px 4px 4px 4px rgb(168, 129,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4070, 0.4320, 0.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 129, 65) }
```

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

```
.background{ background-color: rgb(168,  
129, 65) }
```

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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