

Converting Colors

$Y_{xy}(22.4215, 0.4103, 0.4659)$

Have a look what the booklet for
Yxy(22.4215, 0.4103, 0.4659)
contains.

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Color

$\text{Yxy}(22.3705, 0.4107, 0.4652)$

Conversions

Conversions Part 1

Format	Color
Hex	8D842F
RGB	141, 132, 47
RGB Percent	55%, 52%, 18%
CMY	0.4470, 0.4823, 0.8156
CMYK	0.00, 0.06, 0.67, 0.45
HSL	54°, 50%, 37%
HSV	54°, 67%, 55%
XYZ	19.7497, 22.3705, 5.9677
YIQ	125.0010, 32.6490, -24.5270

Conversions

Conversions Part 2

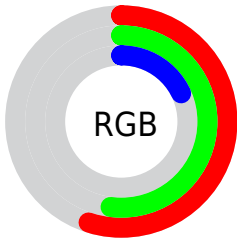
Format	Color
RYB	57, 141, 47
Decimal	9274415
CIELab	54.42, -7.38, 45.44
CIELCh	54, 46.034, 99.220
Yxy	22.3705, 0.4107, 0.4652
Android (android.graphics.Color)	4287464495 (0xFF8D842F)
YUV	125.0010, -38.4545, 14.0311
Hunter-Lab	47.2975, -8.2354, 25.6274

Details

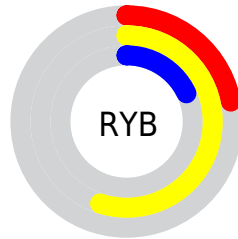
The Yxy color **22.3705, 0.4107, 0.4652** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.3581, 0.1916, 0.1388**, and the grayscale version is **20.6335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4501, 0.3924, 0.4373**, and **8.2612, 0.4288, 0.4977** is the 20% darker color. If you saturate the color by 10%, you get **21.9116, 0.4212, 0.4776**, and if you desaturate by 10%, it is **22.8731, 0.3980, 0.4492**.

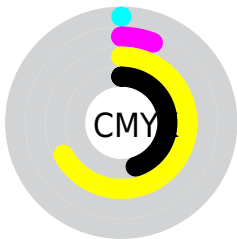
Distribution



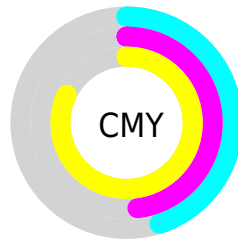
- Red (55%)
- Green (52%)
- Blue (18%)



- Red (22%)
- Yellow (55%)
- Blue (18%)



- Cyan (0%)
- Magenta (6%)
- Yellow (67%)
- Black (45%)





- Cyan (45%)
- Magenta (48%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3705, 0.4107, 0.4652 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 22.3705, 0.4107, 0.4652 by changing the saturation by 10% instead.


 22.3705, 0.4107,
0.4652


 22.3705, 0.4107,
0.4652


264.4751, 0.3601,
0.3913


 14.1294, 0.4218,
0.4838


 47.3576, 0.3928,
0.4377

 8.2107, 0.4338,
0.5062


 64.8724, 0.3858,
0.4274


 4.2301, 0.4550,
0.5450

 86.2472, 0.3799,
0.4189

 1.8031, 0.4441,
0.5559

 111.8663, 0.3748,
0.4116

 0.4891, 0.3680,
0.6320

 142.1143, 0.3704,
0.4054

 0.0000, 0.0000,
0.0000

 177.3755, 0.3665,

0.4000

218.0343, 0.3631,
0.3954

■ 22.3705, 0.4107,
0.4652

■ 22.3705, 0.4107,
0.4652

■ 21.9116, 0.4212,
0.4776

■ 22.8731, 0.3980,
0.4492

■ 21.4894, 0.4293,
0.4858

■ 23.4193, 0.3838,
0.4303

■ 21.0988, 0.4350,
0.4902

■ 24.0132, 0.3686,
0.4095

■ 20.9710, 0.4368,
0.4914

■ 24.6573, 0.3529,
0.3875

■ 25.3541, 0.3374,
0.3652

■ 26.1057, 0.3223,
0.3432

■ 26.9143, 0.3080,
0.3220

■ 27.7818, 0.2947,
0.3020

■ 28.7102, 0.2823,
0.2832

Harmonies

Analogous

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



22.3705, 0.4625, 0.4158



22.3705, 0.4107, 0.4652



22.3705, 0.3367, 0.4794

Triad

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



22.3705, 0.4107, 0.4652



22.3705, 0.1752, 0.2682



22.3705, 0.3533, 0.2497

Complementary

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



22.3705, 0.4107, 0.4652



5.3581, 0.1916, 0.1388

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.



22.3705, 0.2714, 0.2170



22.3705, 0.4107, 0.4652



22.3705, 0.1785, 0.2217

Square

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



22.3705, 0.4107, 0.4652



22.3705, 0.2026, 0.3468



22.3705, 0.2107, 0.2063



22.3705, 0.4316, 0.2988

Rectangle

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



22.3705, 0.4107, 0.4652



22.3705, 0.2848, 0.4555



22.3705, 0.2107, 0.2063



22.3705, 0.3248, 0.2366

Sweetspot

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



22.3716, 0.4107, 0.4652



44.9198, 0.3432, 0.3736



7.9870, 0.5015, 0.3147



9.9644, 0.3470, 0.3791



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



22.3716, 0.4107, 0.4652



38.8468, 0.4257, 0.4823



22.1643, 0.3565, 0.5039



6.1983, 0.3261, 0.3487



19.1328, 0.4367, 0.4915



0.1995, 0.4272, 0.4990

Inverse Universe

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



5.3581, 0.1916, 0.1388



6.1813, 0.1686, 0.0989



5.8706, 0.2312, 0.1424



5.3330, 0.2990, 0.3085



2.0399, 0.1524, 0.0687



0.0327, 0.1630, 0.1068

Previews

White Background



This preview shows how the Yxy color 22.3705, 0.4107, 0.4652 looks on a white background.

Color Contrast Check

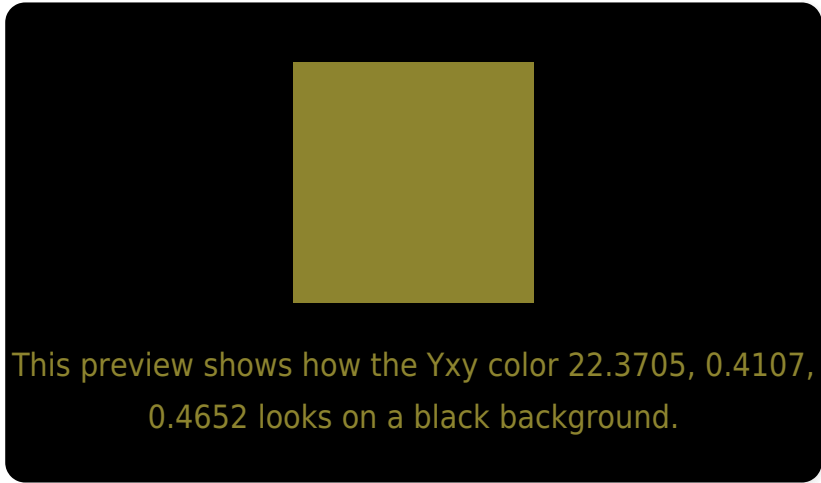
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

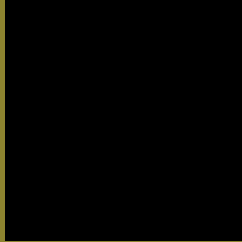
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3705, 0.4107, 0.4652

Background



This preview shows how black text looks on a background with the Yxy color 22.3705, 0.4107, 0.4652.



This preview shows how white text looks on a background with the Yxy color 22.3705, 0.4107, 0.4652.

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

22.3705, 0.4107, 0.4652

Protanopia

22.1902, 0.4179, 0.4597

Deuteranopia

22.3270, 0.4435, 0.4366



Tritanopia

22.4047, 0.3316, 0.3141

Trichromacy



Original Color

22.3705, 0.4107, 0.4652

Protanomaly

22.3671, 0.4156, 0.4617

Deuteranomaly

22.2705, 0.4310, 0.4471

Tritanomaly

22.1578, 0.3639, 0.3722

Monochromacy



Original Color

22.3705, 0.4107, 0.4652

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.1267, 0.3514, 0.3860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3705, 0.4107, 0.4652 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(141, 132, 47)` looks like.

```
.text, #text, p{  
    color:rgb(141, 132, 47)  
}
```

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(141, 132, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 132, 47) }
```

Border

The CSS property to change the border of an element to Yxy 22.3705, 0.4107, 0.4652 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(141, 132, 47) }
```

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

```
.border{ border-color:rgb(141, 132, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 132, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 132, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 132, 47);  
box-shadow:4px 4px 4px 4px rgb(141, 132,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3705, 0.4107, 0.4652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 132, 47) }
```

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

```
.background{ background-color: rgb(141,  
132, 47) }
```

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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