

Converting Colors

$Y_{xy}(22.4516, 0.4246, 0.4822)$

Have a look what the booklet for
Yxy(22.4516, 0.4246, 0.4822)
contains.

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Color

$Y_{xy}(22.4213, 0.4251, 0.4820)$

Conversions

Conversions Part 1

Format	Color
Hex	8F841B
RGB	143, 132, 27
RGB Percent	56%, 52%, 11%
CMY	0.4393, 0.4823, 0.8942
CMYK	0.00, 0.08, 0.81, 0.44
HSL	54°, 68%, 33%
HSV	54°, 81%, 56%
XYZ	19.7745, 22.4213, 4.3214
YIQ	123.3190, 40.2610, -30.3230

Conversions

Conversions Part 2

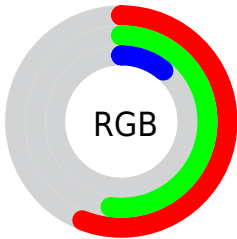
Format	Color
R_{YB}	39, 143, 27
Decimal	9405467
CIE _{Lab}	54.47, -7.48, 53.28
CIE _{LCh}	54, 53.804, 97.994
Yxy	22.4213, 0.4251, 0.4820
Android (android.graphics.Color)	4287595547 (0xFF8F841B)
YUV	123.3190, -47.4853, 17.2602
Hunter-Lab	47.3511, -8.3205, 27.7348

Details

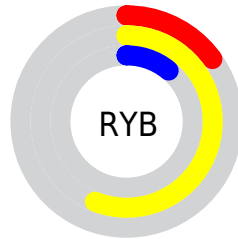
The Yxy color **22.4213, 0.4251, 0.4820** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.5992, 0.1692, 0.0998**, and the grayscale version is **20.0679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5714, 0.4064, 0.4533**, and **8.3104, 0.4307, 0.4962** is the 20% darker color. If you saturate the color by 10%, you get **22.0070, 0.4319, 0.4883**, and if you desaturate by 10%, it is **22.8747, 0.4157, 0.4715**.

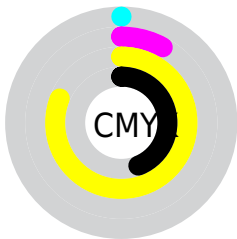
Distribution



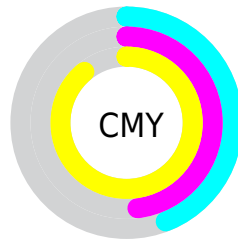
- Red (56%)
- Green (52%)
- Blue (11%)



- Red (15%)
- Yellow (56%)
- Blue (11%)



- Cyan (0%)
- Magenta (8%)
- Yellow (81%)
- Black (44%)





- Cyan (44%)
- Magenta (48%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4213, 0.4251, 0.4820 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 22.4213, 0.4251, 0.4820 by changing the saturation by 10% instead.


 22.4213, 0.4251,
0.4820


 22.4213, 0.4251,
0.4820


264.7386, 0.3690,
0.4011


 14.1668, 0.4359,
0.5004


 47.4413, 0.4062,
0.4530

 8.2368, 0.4485,
0.5241


 64.9756, 0.3985,
0.4418

 4.2468, 0.4545,
0.5455

 86.3720, 0.3918,
0.4323

 1.8126, 0.4436,
0.5564

 112.0148, 0.3860,
0.4242

 0.4950, 0.3677,
0.6323

 142.2885, 0.3809,
0.4172

 0.0000, 0.0000,
0.0000

 177.5774, 0.3764,

0.4111

218.2660, 0.3725,
0.4058

22.4213, 0.4251,
0.4820

22.4213, 0.4251,
0.4820

22.0070, 0.4319,
0.4883

22.8747, 0.4157,
0.4715

21.6592, 0.4366,
0.4916

23.3681, 0.4039,
0.4570

23.9062, 0.3903,
0.4393

24.4920, 0.3755,
0.4192

25.1285, 0.3600,
0.3976

■ 25.8182, 0.3443,
0.3753

■ 26.5634, 0.3290,
0.3530

■ 27.3664, 0.3143,
0.3314

■ 28.2294, 0.3005,
0.3107

Harmonies

Analogous

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



22.4213, 0.4852, 0.4210



22.4213, 0.4251, 0.4820



22.4213, 0.3408, 0.5069

Triad

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



22.4213, 0.4251, 0.4820



22.4213, 0.1573, 0.2598



22.4213, 0.3549, 0.2367

Complementary

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



22.4213, 0.4251, 0.4820



3.5992, 0.1692, 0.0998

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.



22.4213, 0.2609, 0.2012



22.4213, 0.4251, 0.4820



22.4213, 0.1602, 0.2071

Square

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



22.4213, 0.4251, 0.4820



22.4213, 0.1879, 0.3527



22.4213, 0.1942, 0.1900



22.4213, 0.4483, 0.2904

Rectangle

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



22.4213, 0.4251, 0.4820



22.4213, 0.2816, 0.4828



22.4213, 0.1942, 0.1900



22.4213, 0.3217, 0.2224

Sweetspot

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



22.4224, 0.4251, 0.4820



45.8198, 0.3496, 0.3828



6.7652, 0.5644, 0.3162



10.4164, 0.3546, 0.3900



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.4224, 0.4251, 0.4820



38.8717, 0.4356, 0.4906



22.2374, 0.3575, 0.5335



6.1994, 0.3261, 0.3487



19.1722, 0.4365, 0.4916



0.1997, 0.4271, 0.4991

Inverse Universe

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



3.5992, 0.1692, 0.0998



4.1872, 0.1534, 0.0694



4.1976, 0.2100, 0.1085



5.3320, 0.2990, 0.3085



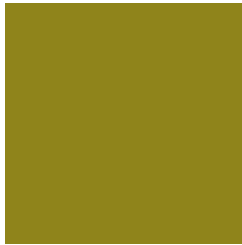
2.0359, 0.1524, 0.0686



0.0325, 0.1629, 0.1063

Previews

White Background



This preview shows how the Yxy color 22.4213, 0.4251, 0.4820 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 22.4213, 0.4251, 0.4820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

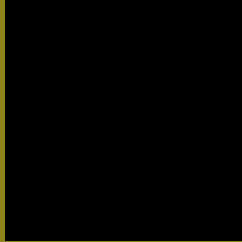
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4213, 0.4251, 0.4820

Background



This preview shows how black text looks on a background with the Yxy color 22.4213, 0.4251, 0.4820.



This preview shows how white text looks on a background with the Yxy color 22.4213, 0.4251, 0.4820.

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

22.4213, 0.4251, 0.4820

Protanopia

22.5148, 0.4313, 0.4773

Deuteranopia

22.4121, 0.4585, 0.4511



Tritanopia

22.4387, 0.3355, 0.3126

Trichromacy



Original Color

22.4213, 0.4251, 0.4820

Protanomaly

22.4227, 0.4301, 0.4782

Deuteranomaly

22.3404, 0.4460, 0.4627

Tritanomaly

22.0258, 0.3778, 0.3836

Monochromacy



Original Color

22.4213, 0.4251, 0.4820

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.3721, 0.3614, 0.3995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4213, 0.4251, 0.4820 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(143, 132, 27)` looks like.

```
.text, #text, p{  
    color:rgb(143, 132, 27)  
}
```

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(143, 132, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 132, 27) }
```

Border

The CSS property to change the border of an element to Yxy 22.4213, 0.4251, 0.4820 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(143, 132, 27) }
```

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

```
.border{ border-color:rgb(143, 132, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 132, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 132, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 132, 27);  
box-shadow:4px 4px 4px 4px rgb(143, 132,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4213, 0.4251, 0.4820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 132, 27) }
```

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

```
.background{ background-color: rgb(143,  
132, 27) }
```

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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