

Converting Colors

$Y_{xy}(22.1994, 0.4022, 0.4629)$

Have a look what the booklet for
Yxy(22.1994, 0.4022, 0.4629)
contains.

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Color

$\text{Yxy}(22.0688, 0.4018, 0.4621)$

Conversions

Conversions Part 1

Format	Color
Hex	898434
RGB	137, 132, 52
RGB Percent	54%, 52%, 20%
CMY	0.4627, 0.4824, 0.7960
CMYK	0.00, 0.04, 0.62, 0.46
HSL	56°, 45%, 37%
HSV	56°, 62%, 54%
XYZ	19.1890, 22.0688, 6.4998
YIQ	124.3750, 28.6600, -23.8200

Conversions

Conversions Part 2

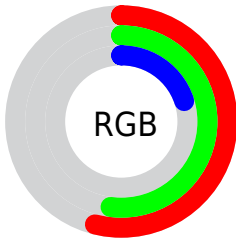
Format	Color
RYB	57, 137, 52
Decimal	9012276
CIELab	54.10, -8.84, 42.70
CIELCh	54, 43.602, 101.691
Yxy	22.0688, 0.4018, 0.4621
Android (android.graphics.Color)	4287202356 (0xFF898434)
YUV	124.3750, -35.6809, 11.0721
Hunter-Lab	46.9774, -9.2981, 24.6808

Details

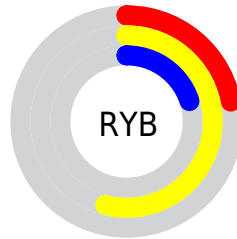
The Yxy color **22.0688, 0.4018, 0.4621** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.4666, 0.1989, 0.1470**, and the grayscale version is **20.4037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8637, 0.3849, 0.4348**, and **8.0713, 0.4212, 0.5037** is the 20% darker color. If you saturate the color by 10%, you get **21.7456, 0.4124, 0.4766**, and if you desaturate by 10%, it is **22.4316, 0.3893, 0.4443**.

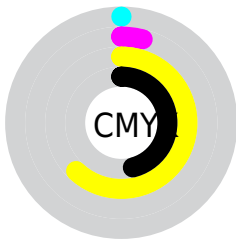
Distribution



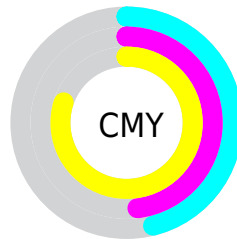
- Red (54%)
- Green (52%)
- Blue (20%)



- Red (22%)
- Yellow (54%)
- Blue (20%)



- Cyan (0%)
- Magenta (4%)
- Yellow (62%)
- Black (46%)





- Cyan (46%)
- Magenta (48%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0688, 0.4018, 0.4621 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 22.0688, 0.4018, 0.4621 by changing the saturation by 10% instead.


 22.0688, 0.4018,
0.4621


 22.0688, 0.4018,
0.4621


 262.9054, 0.3555,
0.3888


 13.9075, 0.4122,
0.4813


 46.8597, 0.3853,
0.4344

 8.0563, 0.4236,
0.5052


 64.2580, 0.3789,
0.4242

 4.1310, 0.4481,
0.5519

 85.5041, 0.3735,
0.4157

 1.7471, 0.4348,
0.5652

 110.9824, 0.3688,
0.4086

 0.4539, 0.3222,
0.6778

 141.0773, 0.3648,
0.4026

 0.0000, 0.0000,
0.0000

 176.1732, 0.3613,

0.3973

216.6544, 0.3582,
0.3928

■ 22.0688, 0.4018,
0.4621

■ 22.0688, 0.4018,
0.4621

■ 21.7456, 0.4124,
0.4766

■ 22.4316, 0.3893,
0.4443

■ 21.4557, 0.4206,
0.4872

■ 22.8337, 0.3753,
0.4239

■ 21.1964, 0.4263,
0.4936

■ 23.2788, 0.3604,
0.4018

■ 21.0024, 0.4297,
0.4970

■ 23.7690, 0.3452,
0.3789

■ 24.3067, 0.3302,
0.3559

■ 24.8937, 0.3156,
0.3334

■ 25.5320, 0.3018,
0.3120

■ 26.2234, 0.2888,
0.2917

■ 26.9696, 0.2769,
0.2729

Harmonies

Analogous

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



22.0688, 0.4533, 0.4175



22.0688, 0.4018, 0.4621



22.0688, 0.3302, 0.4702

Triad

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



22.0688, 0.4018, 0.4621



22.0688, 0.1800, 0.2666



22.0688, 0.3583, 0.2564

Complementary

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



22.0688, 0.4018, 0.4621



5.4666, 0.1989, 0.1470

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.



22.0688, 0.2794, 0.2233



22.0688, 0.4018, 0.4621



22.0688, 0.1854, 0.2241

Square

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



22.0688, 0.4018, 0.4621



22.0688, 0.2042, 0.3393



22.0688, 0.2189, 0.2112



22.0688, 0.4308, 0.3049

Rectangle

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



22.0688, 0.4018, 0.4621



22.0688, 0.2807, 0.4440



22.0688, 0.2189, 0.2112



22.0688, 0.3311, 0.2433

Sweetspot

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



22.0698, 0.4018, 0.4621



42.8035, 0.3413, 0.3729



8.0796, 0.4871, 0.3199



9.5486, 0.3451, 0.3786



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



22.0698, 0.4018, 0.4621



38.7437, 0.4156, 0.4809



20.8614, 0.3517, 0.4943



5.7953, 0.3259, 0.3494



19.5674, 0.4297, 0.4970



0.1371, 0.4241, 0.5015

Inverse Universe

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



5.4666, 0.1989, 0.1470



6.4812, 0.1756, 0.1078



6.3811, 0.2425, 0.1571



4.9365, 0.2991, 0.3078



1.8520, 0.1515, 0.0654



0.0177, 0.1583, 0.0898

Previews

White Background



This preview shows how the Yxy color 22.0688, 0.4018, 0.4621 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 22.0688, 0.4018, 0.4621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

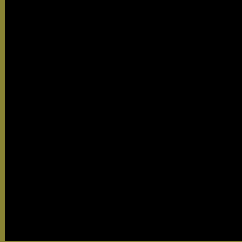
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0688, 0.4018, 0.4621

Background



This preview shows how black text looks on a background with the Yxy color 22.0688, 0.4018, 0.4621.



This preview shows how white text looks on a background with the Yxy color 22.0688, 0.4018, 0.4621.

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

22.0688, 0.4018, 0.4621

Protanopia

22.1336, 0.4135, 0.4558

Deuteranopia

22.0188, 0.4391, 0.4303



Tritanopia

22.0381, 0.3267, 0.3139

Trichromacy



Original Color

22.0688, 0.4018, 0.4621

Protanomaly

22.1343, 0.4087, 0.4592

Deuteranomaly

21.8635, 0.4254, 0.4413

Tritanomaly

21.8409, 0.3565, 0.3695

Monochromacy



Original Color

22.0688, 0.4018, 0.4621

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.7277, 0.3481, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0688, 0.4018, 0.4621 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(137, 132, 52)` looks like.

```
.text, #text, p{  
    color:rgb(137, 132, 52)  
}
```

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(137, 132, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 132, 52) }
```

Border

The CSS property to change the border of an element to Yxy 22.0688, 0.4018, 0.4621 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(137, 132, 52) }
```

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

```
.border{ border-color:rgb(137, 132, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 132, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 132, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 132, 52);  
box-shadow:4px 4px 4px 4px rgb(137, 132,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0688, 0.4018, 0.4621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 132, 52) }
```

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

```
.background{ background-color: rgb(137,  
132, 52) }
```

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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