

Converting Colors

$Y_{xy}(22.1159, 0.4102, 0.4931)$

Have a look what the booklet for
Yxy(22.1159, 0.4102, 0.4931)
contains.

Yxy(22.1159, 0.4102, 0.4931)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.1159, 0.4102, 0.4931)

Conversions

Conversions Part 1

Format	Color
Hex	85861B
RGB	133, 134, 27
RGB Percent	52%, 53%, 11%
CMY	0.4784, 0.4745, 0.8940
CMYK	0.01, 0.00, 0.80, 0.47
HSL	61°, 66%, 32%
HSV	61°, 80%, 53%
XYZ	18.3978, 22.1159, 4.3371
YIQ	121.5030, 33.7510, -33.4890

Conversions

Conversions Part 2

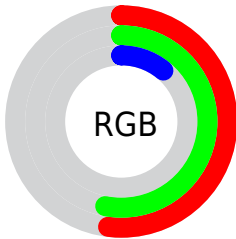
Format	Color
R_{YB}	27, 134, 28
Decimal	8750619
CIE _{Lab}	54.15, -13.14, 52.64
CIE _{LCh}	54, 54.259, 104.013
Yxy	22.1159, 0.4102, 0.4931
Android (android.graphics.Color)	4286940699 (0xFF85861B)
YUV	121.5030, -46.5900, 10.0829
Hunter-Lab	47.0275, -12.4667, 27.4513

Details

The Yxy color **22.1159, 0.4102, 0.4931** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.7530, 0.1683, 0.0896**, and the grayscale version is **19.4399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9535, 0.3948, 0.4607**, and **8.2025, 0.4099, 0.5128** is the 20% darker color. If you saturate the color by 10%, you get **22.0584, 0.4148, 0.5012**, and if you desaturate by 10%, it is **22.2038, 0.4031, 0.4810**.

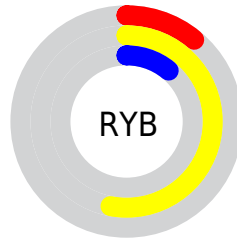
Distribution



Red (52%)

Green (53%)

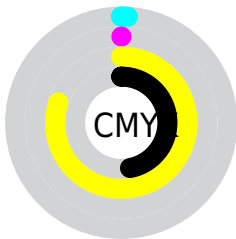
Blue (11%)



Red (11%)

Yellow (53%)

Blue (11%)

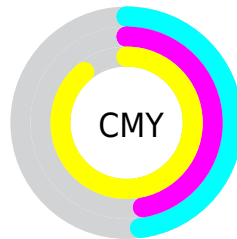


Cyan (1%)

Magenta (0%)

Yellow (80%)

Black (47%)



Cyan (48%)


Magenta (47%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1159, 0.4102, 0.4931 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 22.1159, 0.4102, 0.4931 by changing the saturation by 10% instead.


 22.1159, 0.4102,
0.4931


 22.1159, 0.4102,
0.4931


 263.1509, 0.3626,
0.4041


 13.9421, 0.4185,
0.5146


 46.9375, 0.3947,
0.4604


 8.0804, 0.4276,
0.5431


 64.3540, 0.3881,
0.4480

 4.1464, 0.4286,
0.5714

 85.6203, 0.3824,
0.4377


 1.7558, 0.4084,
0.5916

 111.1206, 0.3774,
0.4289

 0.4594, 0.2015,
0.7985

 141.2395, 0.3730,
0.4213

 0.0000, 0.0000,
0.0000

 176.3612, 0.3691,

0.4148

216.8702, 0.3657,
0.4091

22.1159, 0.4102,
0.4931

22.1159, 0.4102,
0.4931

22.0584, 0.4148,
0.5012

22.2038, 0.4031,
0.4810

22.0181, 0.4177,
0.5064

22.3225, 0.3937,
0.4650

22.0175, 0.4178,
0.5065

22.4758, 0.3823,
0.4458

22.6663, 0.3694,
0.4240

22.8966, 0.3555,
0.4006

■ 23.1685, 0.3411,
0.3764

■ 23.4843, 0.3266,
0.3522

■ 23.8458, 0.3125,
0.3286

■ 24.2546, 0.2990,
0.3061

Harmonies

Analogous

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



22.1159, 0.4779, 0.4350



22.1159, 0.4102, 0.4931



22.1159, 0.3226, 0.5061

Triad

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



22.1159, 0.4102, 0.4931



22.1159, 0.1537, 0.2448



22.1159, 0.3758, 0.2453

Complementary

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



22.1159, 0.4102, 0.4931



2.7530, 0.1683, 0.0896

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.



22.1159, 0.2776, 0.2053



22.1159, 0.4102, 0.4931



22.1159, 0.1630, 0.1996

Square

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



22.1159, 0.4102, 0.4931



22.1159, 0.1774, 0.3312



22.1159, 0.2038, 0.1887



22.1159, 0.4648, 0.3022

Rectangle

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



22.1159, 0.4102, 0.4931



22.1159, 0.2638, 0.4705



22.1159, 0.2038, 0.1887



22.1159, 0.3419, 0.2297

Sweetspot

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



22.1169, 0.4102, 0.4931



40.5870, 0.3479, 0.3878



5.9323, 0.5794, 0.3298



9.1116, 0.3523, 0.3952



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



22.1169, 0.4102, 0.4931



38.8118, 0.4169, 0.5050



18.8569, 0.3453, 0.5392



5.4209, 0.3256, 0.3505



20.6342, 0.4178, 0.5065



0.0717, 0.4186, 0.5058

Inverse Universe

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



2.7530, 0.1683, 0.0896



3.2378, 0.1523, 0.0635



4.2338, 0.2284, 0.1202



4.5464, 0.2993, 0.3066



1.6208, 0.1504, 0.0602



0.0057, 0.1524, 0.0613

Previews

White Background



This preview shows how the Yxy color 22.1159, 0.4102, 0.4931 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 22.1159, 0.4102, 0.4931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

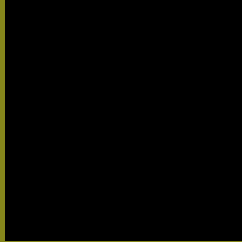
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1159, 0.4102, 0.4931

Background



This preview shows how black text looks on a background with the Yxy color 22.1159, 0.4102, 0.4931.



This preview shows how white text looks on a background with the Yxy color 22.1159, 0.4102, 0.4931.

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

22.1159, 0.4102, 0.4931

Protanopia

22.1508, 0.4318, 0.4777

Deuteranopia

22.0623, 0.4581, 0.4499



Tritanopia

22.1673, 0.3219, 0.3121

Trichromacy



Original Color

22.1159, 0.4102, 0.4931

Protanomaly

21.9699, 0.4243, 0.4833

Deuteranomaly

21.9531, 0.4406, 0.4653

Tritanomaly

21.7718, 0.3628, 0.3858

Monochromacy



Original Color

22.1159, 0.4102, 0.4931

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.0454, 0.3573, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1159, 0.4102, 0.4931 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(133, 134, 27)` looks like.

```
.text, #text, p{  
  color:rgb(133, 134, 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(133, 134, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 134, 27) }
```

Border

The CSS property to change the border of an element to Yxy 22.1159, 0.4102, 0.4931 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(133, 134, 27) }
```

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

```
.border{ border-color:rgb(133, 134, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 134, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 134, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 134, 27);  
box-shadow:4px 4px 4px 4px rgb(133, 134,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1159, 0.4102, 0.4931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 134, 27) }
```

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

```
.background{ background-color: rgb(133,  
134, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor