

Converting Colors

$Y_{xy}(22.7966, 0.4129, 0.4929)$

Have a look what the booklet for
Yxy(22.7966, 0.4129, 0.4929)
contains.

Yxy(22.9171, 0.4121, 0.4933)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.9171, 0.4121, 0.4933)

Conversions

Conversions Part 1

Format	Color
Hex	88881A
RGB	136, 136, 26
RGB Percent	53%, 53%, 10%
CMY	0.4667, 0.4667, 0.8978
CMYK	0.00, 0.00, 0.81, 0.47
HSL	60°, 68%, 32%
HSV	60°, 81%, 53%
XYZ	19.1448, 22.9171, 4.3948
YIQ	123.4600, 35.3100, -34.2100

Conversions

Conversions Part 2

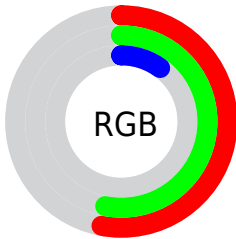
Format	Color
R_{YB}	26, 136, 26
Decimal	8947738
CIE _{Lab}	54.99, -12.88, 53.79
CIE _{LCh}	55, 55.307, 103.470
Yxy	22.9171, 0.4121, 0.4933
Android (android.graphics.Color)	4287137818 (0xFF88881A)
YUV	123.4600, -48.0478, 10.9976
Hunter-Lab	47.8718, -12.3902, 28.0672

Details

The Yxy color **22.9171, 0.4121, 0.4933** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.7394, 0.1663, 0.0869**, and the grayscale version is **20.1235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1957, 0.3963, 0.4611**, and **8.6102, 0.4101, 0.5126** is the 20% darker color. If you saturate the color by 10%, you get **22.8710, 0.4166, 0.5008**, and if you desaturate by 10%, it is **22.9943, 0.4051, 0.4818**.

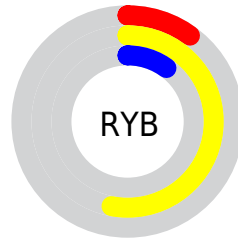
Distribution



Red (53%)

Green (53%)

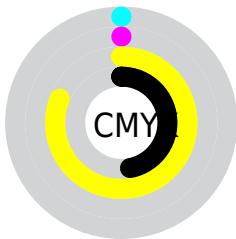
Blue (10%)



Red (10%)

Yellow (53%)

Blue (10%)

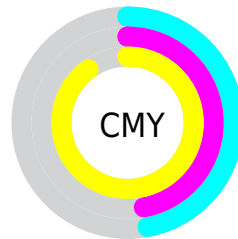


Cyan (0%)

Magenta (0%)

Yellow (81%)

Black (47%)



Cyan (47%)


Magenta (47%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9171, 0.4121, 0.4933 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 22.9171, 0.4121, 0.4933 by changing the saturation by 10% instead.


 22.9171, 0.4121,
0.4933


 22.9171, 0.4121,
0.4933


267.2989, 0.3639,
0.4050


 14.5323, 0.4204,
0.5143


 48.2572, 0.3965,
0.4611

 8.4918, 0.4294,
0.5415


 65.9812, 0.3898,
0.4488

 4.4112, 0.4310,
0.5690

 87.5872, 0.3840,
0.4385

 1.9062, 0.4121,
0.5879

 113.4594, 0.3789,
0.4298

 0.5521, 0.2758,
0.7242

 143.9823, 0.3745,
0.4222

 0.0000, 0.0000,
0.0000

 179.5402, 0.3705,

0.4157

■ 220.5177, 0.3670,
0.4100

■ 22.9171, 0.4121,
0.4933

■ 22.9171, 0.4121,
0.4933

■ 22.8710, 0.4166,
0.5008

■ 22.9943, 0.4051,
0.4818

■ 22.8433, 0.4193,
0.5053

■ 23.1028, 0.3958,
0.4664

■ 23.2470, 0.3845,
0.4476

■ 23.4295, 0.3715,
0.4262

■ 23.6527, 0.3574,
0.4030

■ 23.9190, 0.3429,
0.3789

■ 24.2304, 0.3282,
0.3546

■ 24.5890, 0.3139,
0.3310

■ 24.9964, 0.3002,
0.3083

Harmonies

Analogous

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



22.9171, 0.4797, 0.4342



22.9171, 0.4121, 0.4933



22.9171, 0.3242, 0.5080

Triad

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



22.9171, 0.4121, 0.4933



22.9171, 0.1529, 0.2453



22.9171, 0.3744, 0.2439

Complementary

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



22.9171, 0.4121, 0.4933



2.7394, 0.1663, 0.0869

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.



22.9171, 0.2757, 0.2040



22.9171, 0.4121, 0.4933



22.9171, 0.1617, 0.1993

Square

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



22.9171, 0.4121, 0.4933



22.9171, 0.1773, 0.3331



22.9171, 0.2021, 0.1879



22.9171, 0.4647, 0.3008

Rectangle

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



22.9171, 0.4121, 0.4933



22.9171, 0.2649, 0.4731



22.9171, 0.2021, 0.1879



22.9171, 0.3402, 0.2283

Sweetspot

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



22.9182, 0.4121, 0.4933



41.9687, 0.3483, 0.3878



6.0592, 0.5805, 0.3277



9.6856, 0.3528, 0.3953



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.



22.9182, 0.4121, 0.4933



40.2663, 0.4187, 0.5042



19.5167, 0.3471, 0.5399



5.8450, 0.3258, 0.3506



21.6194, 0.4193, 0.5053



0.1436, 0.4193, 0.5053

Inverse Universe

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



2.7394, 0.1663, 0.0869



3.2813, 0.1515, 0.0625



4.1898, 0.2242, 0.1166



4.8923, 0.2991, 0.3064



1.6824, 0.1500, 0.0600



0.0112, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 22.9171, 0.4121, 0.4933 looks on a white background.

Color Contrast Check

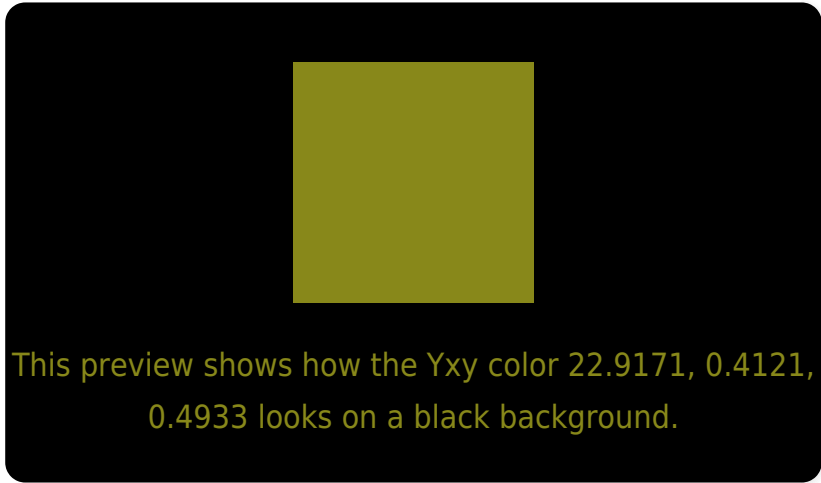
Large Text (above 18pt) WCAG AA ✓ Pass

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

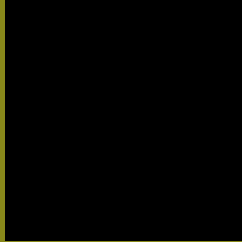
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9171, 0.4121, 0.4933

Background



This preview shows how black text looks on a background with the Yxy color 22.9171, 0.4121, 0.4933.



This preview shows how white text looks on a background with the Yxy color 22.9171, 0.4121, 0.4933.

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

22.9171, 0.4121, 0.4933

Protanopia

22.8686, 0.4322, 0.4789

Deuteranopia

22.8785, 0.4595, 0.4508



Tritanopia

23.0046, 0.3229, 0.3124

Trichromacy



Original Color

22.9171, 0.4121, 0.4933

Protanomaly

22.7745, 0.4260, 0.4836

Deuteranomaly

22.7628, 0.4422, 0.4660

Tritanomaly

22.5791, 0.3645, 0.3865

Monochromacy



Original Color

22.9171, 0.4121, 0.4933

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.7321, 0.3578, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9171, 0.4121, 0.4933 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(136, 136, 26)` looks like.

```
.text, #text, p{  
    color:rgb(136, 136, 26)  
}
```

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(136, 136, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 136, 26) }
```

Border

The CSS property to change the border of an element to Yxy 22.9171, 0.4121, 0.4933 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(136, 136, 26) }
```

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

```
.border{ border-color:rgb(136, 136, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 136, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 136, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 136, 26);  
box-shadow:4px 4px 4px 4px rgb(136, 136,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9171, 0.4121, 0.4933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 136, 26) }
```

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

```
.background{ background-color: rgb(136,  
136, 26) }
```

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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