

Converting Colors

$Y_{xy}(21.9260, 0.4123, 0.4894)$

Have a look what the booklet for
Yxy(21.9260, 0.4123, 0.4894)
contains.

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Color

Yxy(21.9321, 0.4117, 0.4896)

Conversions

Conversions Part 1

Format	Color
Hex	86851D
RGB	134, 133, 29
RGB Percent	53%, 52%, 11%
CMY	0.4744, 0.4784, 0.8864
CMYK	0.00, 0.01, 0.78, 0.47
HSL	59°, 64%, 32%
HSV	59°, 78%, 53%
XYZ	18.4425, 21.9321, 4.4214
YIQ	121.4430, 33.9800, -32.1320

Conversions

Conversions Part 2

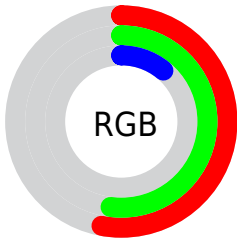
Format	Color
R_{YB}	30, 134, 29
Decimal	8815901
CIE _{Lab}	53.95, -12.06, 51.87
CIE _{LCh}	54, 53.253, 103.093
Yxy	21.9321, 0.4117, 0.4896
Android (android.graphics.Color)	4287005981 (0xFF86851D)
YUV	121.4430, -45.5744, 11.0125
Hunter-Lab	46.8317, -11.6616, 27.1847

Details

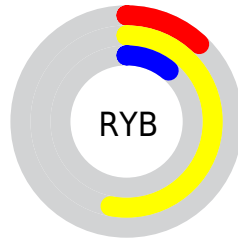
The Yxy color **21.9321, 0.4117, 0.4896** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.9103, 0.1700, 0.0938**, and the grayscale version is **19.4141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6895, 0.3952, 0.4572**, and **8.0900, 0.4136, 0.5098** is the 20% darker color. If you saturate the color by 10%, you get **21.8452, 0.4171, 0.4980**, and if you desaturate by 10%, it is **22.0500, 0.4039, 0.4772**.

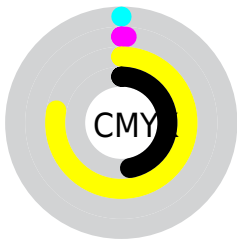
Distribution



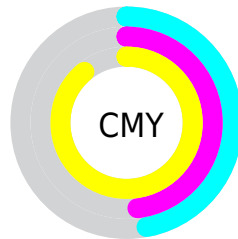
- Red (53%)
- Green (52%)
- Blue (11%)



- Red (12%)
- Yellow (53%)
- Blue (11%)



- Cyan (0%)
- Magenta (1%)
- Yellow (78%)
- Black (47%)





- Cyan (47%)
- Magenta (48%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9321, 0.4117, 0.4896 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 21.9321, 0.4117, 0.4896 by changing the saturation by 10% instead.


 21.9321, 0.4117,
0.4896


 21.9321, 0.4117,
0.4896


262.1915, 0.3629,
0.4025


 13.8070, 0.4205,
0.5107


 46.6337, 0.3956,
0.4576


 7.9866, 0.4303,
0.5382


 63.9791, 0.3888,
0.4455


 4.0864, 0.4332,
0.5668

 85.1667, 0.3830,
0.4353

 1.7220, 0.4146,
0.5854

 110.5808, 0.3779,
0.4267

 0.4378, 0.2174,
0.7826

 140.6060, 0.3734,
0.4194

 0.0000, 0.0000,
0.0000

 175.6266, 0.3695,

0.4130

216.0269, 0.3660,
0.4074

21.9321, 0.4117,
0.4896

21.9321, 0.4117,
0.4896

21.8452, 0.4171,
0.4980

22.0500, 0.4039,
0.4772

21.7783, 0.4204,
0.5032

22.1990, 0.3938,
0.4609

21.7678, 0.4210,
0.5040

22.3832, 0.3818,
0.4415

22.6051, 0.3683,
0.4197

22.8669, 0.3540,
0.3964

■ 23.1709, 0.3393,
0.3724

■ 23.5190, 0.3247,
0.3485

■ 23.9131, 0.3105,
0.3253

■ 24.3549, 0.2969,
0.3032

Harmonies

Analogous

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



21.9321, 0.4773, 0.4321



21.9321, 0.4117, 0.4896



21.9321, 0.3256, 0.5038

Triad

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



21.9321, 0.4117, 0.4896



21.9321, 0.1559, 0.2482



21.9321, 0.3719, 0.2449

Complementary

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



21.9321, 0.4117, 0.4896



2.9103, 0.1700, 0.0938

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.



21.9321, 0.2755, 0.2059



21.9321, 0.4117, 0.4896



21.9321, 0.1641, 0.2022

Square

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



21.9321, 0.4117, 0.4896



21.9321, 0.1805, 0.3346



21.9321, 0.2035, 0.1904



21.9321, 0.4604, 0.3009

Rectangle

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



21.9321, 0.4117, 0.4896



21.9321, 0.2673, 0.4703



21.9321, 0.2035, 0.1904



21.9321, 0.3385, 0.2296

Sweetspot

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



21.9331, 0.4117, 0.4896



40.4759, 0.3483, 0.3872



6.0443, 0.5700, 0.3276



9.0835, 0.3528, 0.3945



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.



21.9331, 0.4117, 0.4896



38.3898, 0.4196, 0.5018



18.9935, 0.3475, 0.5349



5.4155, 0.3257, 0.3503



20.3951, 0.4210, 0.5040



0.0713, 0.4201, 0.5047

Inverse Universe

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



2.9103, 0.1700, 0.0938



3.3623, 0.1532, 0.0657



4.2931, 0.2275, 0.1217



4.5512, 0.2992, 0.3068



1.6404, 0.1503, 0.0609



0.0061, 0.1514, 0.0651

Previews

White Background



This preview shows how the Yxy color 21.9321, 0.4117, 0.4896 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 21.9321, 0.4117, 0.4896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

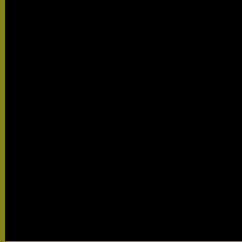
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9321, 0.4117, 0.4896

Background



This preview shows how black text looks on a background with the Yxy color 21.9321, 0.4117, 0.4896.



This preview shows how white text looks on a background with the Yxy color 21.9321, 0.4117, 0.4896.

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

21.9321, 0.4117, 0.4896

Protanopia

21.8041, 0.4309, 0.4760

Deuteranopia

21.7159, 0.4576, 0.4487



Tritanopia

21.8873, 0.3232, 0.3121

Trichromacy



Original Color

21.9321, 0.4117, 0.4896

Protanomaly

21.7118, 0.4246, 0.4807

Deuteranomaly

21.7014, 0.4413, 0.4633

Tritanomaly

21.5122, 0.3633, 0.3841

Monochromacy



Original Color

21.9321, 0.4117, 0.4896

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.8074, 0.3566, 0.3991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9321, 0.4117, 0.4896 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(134, 133, 29)` looks like.

```
.text, #text, p{  
    color:rgb(134, 133, 29)  
}
```

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(134, 133, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 133, 29) }
```

Border

The CSS property to change the border of an element to Yxy 21.9321, 0.4117, 0.4896 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(134, 133, 29) }
```

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

```
.border{ border-color:rgb(134, 133, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 133, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 133, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 133, 29);  
box-shadow:4px 4px 4px 4px rgb(134, 133,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9321, 0.4117, 0.4896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 133, 29) }
```

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

```
.background{ background-color: rgb(134,  
133, 29) }
```

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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