

Converting Colors

$Y_{xy}(41.2499, 0.4315, 0.4865)$

Have a look what the booklet for
Yxy(41.2499, 0.4315, 0.4865)
contains.

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Color

Yxy(41.2894, 0.4310, 0.4869)

Conversions

Conversions Part 1

Format	Color
Hex	BEAE19
RGB	190, 174, 25
RGB Percent	75%, 68%, 10%
CMY	0.2549, 0.3176, 0.9020
CMYK	0.00, 0.08, 0.87, 0.25
HSL	54°, 77%, 42%
HSV	54°, 87%, 75%
XYZ	36.5490, 41.2894, 6.9621
YIQ	161.7980, 57.3650, -42.9470

Conversions

Conversions Part 2

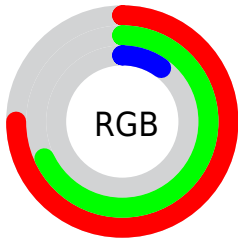
Format	Color
RYB	43, 190, 25
Decimal	12496409
CIELab	70.38, -8.73, 68.95
CIELCh	70, 69.502, 97.213
Yxy	41.2894, 0.4310, 0.4869
Android (android.graphics.Color)	4290686489 (0xFFBEAE19)
YUV	161.7980, -67.4414, 24.7332
Hunter-Lab	64.2568, -10.9193, 38.5558

Details

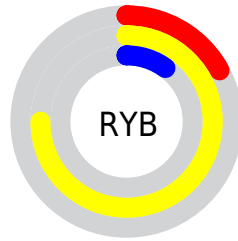
The Yxy color **41.2894, 0.4310, 0.4869** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.5111, 0.1608, 0.0845**, and the grayscale version is **36.3347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0672, 0.4151, 0.4622**, and **18.8246, 0.4328, 0.4945** is the 20% darker color. If you saturate the color by 10%, you get **40.5268, 0.4361, 0.4902**, and if you desaturate by 10%, it is **42.1203, 0.4233, 0.4794**.

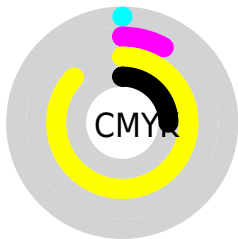
Distribution



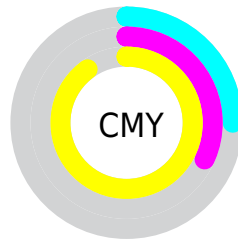
- Red (75%)
- Green (68%)
- Blue (10%)



- Red (17%)
- Yellow (75%)
- Blue (10%)



- Cyan (0%)
- Magenta (8%)
- Yellow (87%)
- Black (25%)





- Cyan (25%)
- Magenta (32%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2894, 0.4310, 0.4869 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 41.2894, 0.4310, 0.4869 by changing the saturation by 10% instead.


 41.2894, 0.4310,
0.4869


 41.2894, 0.4310,
0.4869


351.5287, 0.3791,
0.4130


 28.5453, 0.4396,
0.5014


 77.1230, 0.4150,
0.4626

 18.7371, 0.4477,
0.5169


 100.9813, 0.4081,
0.4526

 11.4805, 0.4590,
0.5389


 129.3131, 0.4019,
0.4438

 6.3910, 0.4540,
0.5460

 162.5028, 0.3963,
0.4361

 3.0843, 0.4446,
0.5554

 200.9349, 0.3913,
0.4293

 1.1759, 0.4279,
0.5721

 244.9936, 0.3868,

 0.0419, 0.0000,

0.4232

1.0000

295.0634, 0.3828,
0.4178

■ 0.0000, 0.0000,
0.0000

■ 41.2894, 0.4310,
0.4869

■ 41.2894, 0.4310,
0.4869

■ 40.5268, 0.4361,
0.4902

■ 42.1203, 0.4233,
0.4794

■ 40.2926, 0.4375,
0.4908

■ 43.0245, 0.4129,
0.4675

■ 44.0118, 0.4002,
0.4518

■ 45.0890, 0.3858,
0.4328

■ 46.2624, 0.3703,
0.4117

■ 47.5372, 0.3542,
0.3893

■ 48.9186, 0.3383,
0.3665

■ 50.4111, 0.3229,
0.3440

■ 52.0193, 0.3082,
0.3223

Harmonies

Analogous

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



41.2894, 0.4938, 0.4214



41.2894, 0.4310, 0.4869



41.2894, 0.3432, 0.5172

Triad

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



41.2894, 0.4310, 0.4869



41.2894, 0.1511, 0.2576



41.2894, 0.3540, 0.2313

Complementary

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



41.2894, 0.4310, 0.4869



5.5111, 0.1608, 0.0845

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.



41.2894, 0.2559, 0.1953



41.2894, 0.4310, 0.4869



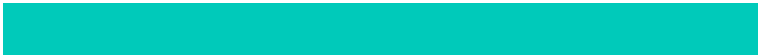
41.2894, 0.1535, 0.2022

Square

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



41.2894, 0.4310, 0.4869



41.2894, 0.1832, 0.3564



41.2894, 0.1877, 0.1842



41.2894, 0.4533, 0.2865

Rectangle

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



41.2894, 0.4310, 0.4869



41.2894, 0.2814, 0.4941



41.2894, 0.1877, 0.1842



41.2894, 0.3191, 0.2168

Sweetspot

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



41.2914, 0.4310, 0.4869



86.2340, 0.3536, 0.3883



11.8073, 0.5934, 0.3186



18.7529, 0.3592, 0.3963



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



41.2914, 0.4310, 0.4869



72.8002, 0.4378, 0.4906



41.1880, 0.3561, 0.5452



10.9580, 0.3267, 0.3495



26.8520, 0.4372, 0.4911



1.0982, 0.4324, 0.4949

Inverse Universe

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



5.5111, 0.1608, 0.0845



7.3903, 0.1515, 0.0652



6.6374, 0.1998, 0.0950



9.3703, 0.2984, 0.3076



2.8234, 0.1521, 0.0676



0.1613, 0.1594, 0.0937

Previews

White Background



This preview shows how the Yxy color 41.2894, 0.4310, 0.4869 looks on a white background.

Color Contrast Check

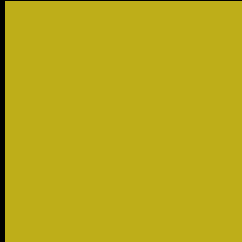
Large Text (above 18pt) WCAG AA × Fail

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 41.2894, 0.4310, 0.4869 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 ✓ Pass

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

Yxy 41.2894, 0.4310, 0.4869

Background



This preview shows how black text looks on a background with the Yxy color 41.2894, 0.4310, 0.4869.



This preview shows how white text looks on a background with the Yxy color 41.2894, 0.4310, 0.4869.

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

41.2894, 0.4310, 0.4869

Protanopia

41.4267, 0.4358, 0.4832

Deuteranopia

41.0559, 0.4655, 0.4552



Tritanopia

41.1760, 0.3382, 0.3138

Trichromacy



Original Color

41.2894, 0.4310, 0.4869

Protanomaly

41.2948, 0.4349, 0.4839

Deuteranomaly

40.9966, 0.4530, 0.4668

Tritanomaly

40.3643, 0.3840, 0.3895

Monochromacy



Original Color

41.2894, 0.4310, 0.4869

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.2129, 0.3668, 0.4066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2894, 0.4310, 0.4869 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(190, 174, 25)` looks like.

```
.text, #text, p{  
    color:rgb(190, 174, 25)  
}
```

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(190, 174, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 174, 25) }
```

Border

The CSS property to change the border of an element to Yxy 41.2894, 0.4310, 0.4869 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(190, 174, 25) }
```

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

```
.border{ border-color:rgb(190, 174, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 174, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 174, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 174, 25);  
box-shadow:4px 4px 4px 4px rgb(190, 174,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2894, 0.4310, 0.4869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 174, 25) }
```

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

```
.background{ background-color: rgb(190,  
174, 25) }
```

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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