

Converting Colors

$Y_{xy}(29.6970, 0.4406, 0.4876)$

Have a look what the booklet for
Yxy(29.6970, 0.4406, 0.4876)
contains.

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Color

Yxy(29.8241, 0.4402, 0.4879)

Conversions

Conversions Part 1

Format	Color
Hex	A89502
RGB	168, 149, 2
RGB Percent	66%, 58%, 1%
CMY	0.3411, 0.4157, 0.9922
CMYK	0.00, 0.11, 0.99, 0.34
HSL	53°, 98%, 33%
HSV	53°, 99%, 66%
XYZ	26.9083, 29.8241, 4.3951
YIQ	137.9230, 58.5110, -41.6890

Conversions

Conversions Part 2

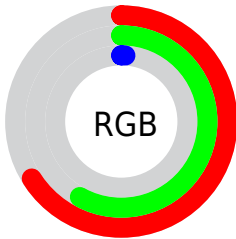
Format	Color
R_{YB}	23, 168, 2
Decimal	11048194
CIE Lab	61.50, -5.75, 65.02
CIE LCh	62, 65.272, 95.054
Yxy	29.8241, 0.4402, 0.4879
Android (android.graphics.Color)	4289238274 (0xFFA89502)
YUV	137.9230, -67.0100, 26.3775
Hunter-Lab	54.6114, -7.6190, 33.4564

Details

The Yxy color **29.8241, 0.4402, 0.4879** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.3764, 0.1532, 0.0703**, and the grayscale version is **25.6292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5238, 0.4214, 0.4625**, and **12.3032, 0.4387, 0.4899** is the 20% darker color. If you saturate the color by 10%, you get **29.7493, 0.4408, 0.4882**, and if you desaturate by 10%, it is **30.4812, 0.4347, 0.4850**.

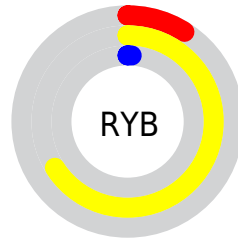
Distribution



Red (66%)

Green (58%)

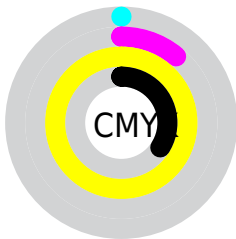
Blue (1%)



Red (9%)

Yellow (66%)

Blue (1%)

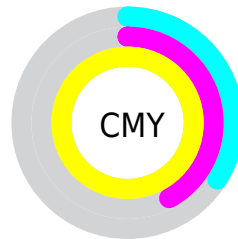


Cyan (0%)

Magenta (11%)

Yellow (99%)

Black (34%)



Cyan (34%)

Magenta (42%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8241, 0.4402, 0.4879 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 29.8241, 0.4402, 0.4879 by changing the saturation by 10% instead.

■ 29.8241, 0.4402,
0.4879

■ 29.8241, 0.4402,
0.4879

301.0837, 0.3812,
0.4108

■ 19.7051, 0.4501,
0.5028

■ 59.3839, 0.4216,
0.4623

■ 12.1809, 0.4606,
0.5199

■ 79.5935, 0.4136,
0.4518

■ 6.8670, 0.4660,
0.5340

■ 103.9354, 0.4065,
0.4426

■ 3.3791, 0.4602,
0.5398

■ 132.7940, 0.4002,
0.4345

■ 1.3327, 0.4502,
0.5498

■ 166.5538, 0.3946,
0.4275

■ 0.1663, 0.0962,
0.9038

■ 205.5991, 0.3896,

■ 0.0000, 0.0000,

0.4212

0.0000

250.3142, 0.3852,
0.4157

29.8241, 0.4402,
0.4879

29.8241, 0.4402,
0.4879

29.7493, 0.4408,
0.4882

30.4812, 0.4347,
0.4850

31.1836, 0.4268,
0.4783

31.9442, 0.4163,
0.4672

32.7689, 0.4035,
0.4523

33.6630, 0.3890,
0.4342

■ 34.6311, 0.3734,
0.4138

■ 35.6772, 0.3573,
0.3920

■ 36.8052, 0.3413,
0.3698

■ 38.0186, 0.3258,
0.3478

Harmonies

Analogous

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



29.8241, 0.5036, 0.4178



29.8241, 0.4402, 0.4879



29.8241, 0.3500, 0.5262

Triad

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



29.8241, 0.4402, 0.4879



29.8241, 0.1464, 0.2598



29.8241, 0.3476, 0.2242

Complementary

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



29.8241, 0.4402, 0.4879



3.3764, 0.1532, 0.0703

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.



29.8241, 0.2470, 0.1889



29.8241, 0.4402, 0.4879



29.8241, 0.1467, 0.1998

Square

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



29.8241, 0.4402, 0.4879



29.8241, 0.1817, 0.3660



29.8241, 0.1794, 0.1793



29.8241, 0.4533, 0.2797

Rectangle

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



29.8241, 0.4402, 0.4879



29.8241, 0.2858, 0.5077



29.8241, 0.1794, 0.1793



29.8241, 0.3114, 0.2098

Sweetspot

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



29.8255, 0.4402, 0.4879



64.3943, 0.3601, 0.3958



8.4244, 0.6219, 0.3212



13.8668, 0.3666, 0.4047



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.8255, 0.4402, 0.4879



53.7759, 0.4412, 0.4878



30.9782, 0.3546, 0.5558



8.6250, 0.3265, 0.3488



22.5103, 0.4406, 0.4884



0.5877, 0.4327, 0.4946

Inverse Universe

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



3.3764, 0.1532, 0.0703



5.8302, 0.1520, 0.0673



4.0160, 0.1838, 0.0793



7.4338, 0.2986, 0.3084



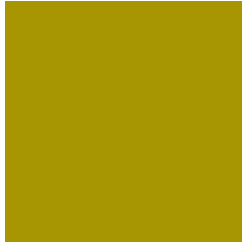
2.5338, 0.1528, 0.0699



0.1026, 0.1634, 0.1080

Previews

White Background



This preview shows how the Yxy color 29.8241, 0.4402, 0.4879 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 29.8241, 0.4402, 0.4879 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 29.8241, 0.4402, 0.4879

Background



This preview shows how black text looks on a background with the Yxy color 29.8241, 0.4402, 0.4879.



This preview shows how white text looks on a background with the Yxy color 29.8241, 0.4402, 0.4879.

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

29.8241, 0.4402, 0.4879

Protanopia

29.8241, 0.4402, 0.4879

Deuteranopia

29.7881, 0.4679, 0.4587



Tritanopia

29.6940, 0.3444, 0.3133

Trichromacy



Original Color

29.8241, 0.4402, 0.4879

Protanomaly

29.8241, 0.4402, 0.4879

Deuteranomaly

29.7993, 0.4583, 0.4693

Tritanomaly

29.1892, 0.3973, 0.3967

Monochromacy



Original Color

29.8241, 0.4402, 0.4879

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.4568, 0.3752, 0.4158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8241, 0.4402, 0.4879 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(168, 149, 2)` looks like.

```
.text, #text, p{  
    color:rgb(168, 149, 2)  
}
```

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(168, 149, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 149, 2) }
```

Border

The CSS property to change the border of an element to Yxy 29.8241, 0.4402, 0.4879 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(168, 149, 2) }
```

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

```
.border{ border-color:rgb(168, 149, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 149, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 149, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 149, 2);  
box-shadow:4px 4px 4px 4px rgb(168, 149,  
2) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8241, 0.4402, 0.4879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 149, 2) }
```

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

```
.background{ background-color: rgb(168,  
149, 2) }
```

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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