

Converting Colors

$Y_{xy}(26.8399, 0.4652, 0.4600)$

Have a look what the booklet for
Yxy(26.8399, 0.4652, 0.4600)
contains.

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Color

$\text{Yxy}(26.8399, 0.4652, 0.4600)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B28713 |
| RGB | 178, 135, 19 |
| RGB Percent | 70%, 53%, 7% |
| CMY | 0.3019, 0.4706, 0.9256 |
| CMYK | 0.00, 0.24, 0.89, 0.30 |
| HSL | 44°, 81%, 39% |
| HSV | 44°, 89%, 70% |
| XYZ | 27.1433, 26.8399, 4.3644 |
| YIQ | 134.6330, 62.8640, -26.9600 |

Conversions

Conversions Part 2

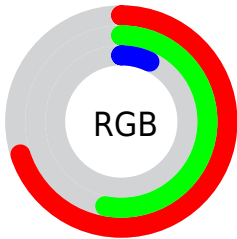
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 78, 178, 19 |
| Decimal | 11699987 |
| CIELab | 58.83, 6.74, 60.56 |
| CIELCh | 59, 60.937, 83.651 |
| Yxy | 26.8399, 0.4652, 0.4600 |
| Android (android.graphics.Color) | 4289890067 (0xFFB28713) |
| YUV | 134.6330, -57.0071, 38.0329 |
| Hunter-Lab | 51.8072, 2.8586, 31.2703 |

Details

The Yxy color **26.8399, 0.4652, 0.4600** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.7959, 0.1679, 0.1138**, and the grayscale version is **24.2828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6936, 0.4398, 0.4404**, and **10.6486, 0.4774, 0.4591** is the 20% darker color. If you saturate the color by 10%, you get **25.4837, 0.4759, 0.4598**, and if you desaturate by 10%, it is **28.3004, 0.4519, 0.4560**.

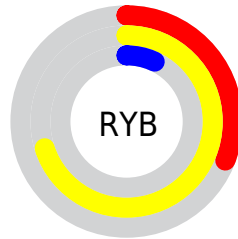
Distribution



Red (70%)

Green (53%)

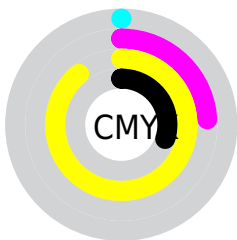
Blue (7%)



Red (31%)

Yellow (70%)

Blue (7%)

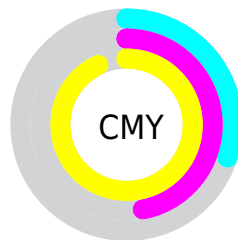


Cyan (0%)

Magenta (24%)

Yellow (89%)

Black (30%)



Cyan (30%)


Magenta (47%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.8399, 0.4652, 0.4600 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 26.8399, 0.4652, 0.4600 by changing the saturation by 10% instead.


 26.8399, 0.4652,
0.4600

 26.8399, 0.4652,
0.4600


286.8811, 0.3898,
0.3987


 17.4530, 0.4803,
0.4705


 54.6269, 0.4398,
0.4405


 10.5580, 0.4980,
0.4816


 73.7957, 0.4295,
0.4322


 5.7705, 0.5130,
0.4870

 96.9940, 0.4205,
0.4248

 2.7060, 0.5202,
0.4798

 124.6062, 0.4127,
0.4183

 0.9803, 0.5331,
0.4669

 157.0166, 0.4059,
0.4125

 0.0000, 1.0000,
0.0000

 194.6096, 0.3999,

 0.0000, 0.0000,

0.4074

0.0000

237.7696, 0.3946,
0.4028

26.8399, 0.4652,
0.4600

26.8399, 0.4652,
0.4600

25.4837, 0.4759,
0.4598

28.3004, 0.4519,
0.4560

25.3971, 0.4766,
0.4598

29.8754, 0.4359,
0.4474

31.5742, 0.4181,
0.4348

33.4034, 0.3992,
0.4191

35.3690, 0.3800,
0.4015

■ 37.4764, 0.3614,
0.3829

■ 39.7309, 0.3436,
0.3641

■ 42.1369, 0.3270,
0.3456

■ 44.6991, 0.3118,
0.3279

Harmonies

Analogous

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



26.8399, 0.5093, 0.3897



26.8399, 0.4652, 0.4600



26.8399, 0.3849, 0.5130

Triad

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



26.8399, 0.4652, 0.4600



26.8399, 0.1595, 0.2967



26.8399, 0.3069, 0.2111

Complementary

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



26.8399, 0.4652, 0.4600



6.7959, 0.1679, 0.1138

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.



26.8399, 0.2197, 0.1857



26.8399, 0.4652, 0.4600



26.8399, 0.1469, 0.2208

Square

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



26.8399, 0.4652, 0.4600



26.8399, 0.2090, 0.4105



26.8399, 0.1668, 0.1870



26.8399, 0.4125, 0.2590

Rectangle

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



26.8399, 0.4652, 0.4600



26.8399, 0.3229, 0.5167



26.8399, 0.1668, 0.1870



26.8399, 0.2744, 0.1999

Sweetspot

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



26.8412, 0.4652, 0.4600



68.6987, 0.3579, 0.3794



10.3015, 0.5478, 0.2891



14.9249, 0.3641, 0.3857



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



26.8412, 0.4652, 0.4600



45.6503, 0.4778, 0.4588



37.7811, 0.3830, 0.5269



9.5102, 0.3270, 0.3455



18.2777, 0.4758, 0.4604



0.6655, 0.4569, 0.4754

Inverse Universe

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



6.7959, 0.1679, 0.1138



9.3569, 0.1586, 0.0908



4.4480, 0.1722, 0.0785



8.5917, 0.2985, 0.3119



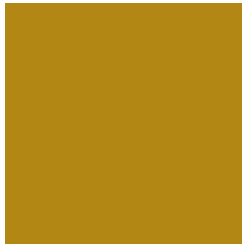
3.9119, 0.1598, 0.0954



0.2221, 0.1757, 0.1526

Previews

White Background



This preview shows how the Yxy color 26.8399, 0.4652, 0.4600 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 26.8399, 0.4652, 0.4600 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 26.8399, 0.4652, 0.4600

Background



This preview shows how black text looks on a background with the Yxy color 26.8399, 0.4652, 0.4600.



This preview shows how white text looks on a background with the Yxy color 26.8399, 0.4652, 0.4600.

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

26.8399, 0.4652, 0.4600

Protanopia

26.8737, 0.4356, 0.4817

Deuteranopia

26.6809, 0.4676, 0.4581



Tritanopia

26.8613, 0.3722, 0.3164

Trichromacy



Original Color

26.8399, 0.4652, 0.4600

Protanomaly

26.7312, 0.4476, 0.4730

Deuteranomaly

26.6809, 0.4676, 0.4581

Tritanomaly

26.4359, 0.4191, 0.3805

Monochromacy



Original Color

26.8399, 0.4652, 0.4600

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.6976, 0.3775, 0.3984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8399, 0.4652, 0.4600 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(178, 135, 19)` looks like.

```
.text, #text, p{  
    color:rgb(178, 135, 19)  
}
```

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(178, 135, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 135, 19) }
```

Border

The CSS property to change the border of an element to Yxy 26.8399, 0.4652, 0.4600 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(178, 135, 19) }
```

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

```
.border{ border-color:rgb(178, 135, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 135, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 135, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 135, 19);  
box-shadow:4px 4px 4px 4px rgb(178, 135,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8399, 0.4652, 0.4600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 135, 19) }
```

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

```
.background{ background-color: rgb(178,  
135, 19) }
```

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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