

Converting Colors

$Y_{xy}(25.8646, 0.4776, 0.4724)$

Have a look what the booklet for
Yxy(25.8646, 0.4776, 0.4724)
contains.

Yxy(26.0052, 0.4701, 0.4650)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.0052, 0.4701, 0.4650)

Conversions

Conversions Part 1

Format	Color
Hex	B08500
RGB	176, 133, 0
RGB Percent	69%, 52%, 0%
CMY	0.3098, 0.4784, 1.0000
CMYK	0.00, 0.24, 1.00, 0.31
HSL	45°, 100%, 35%
HSV	45°, 100%, 69%
XYZ	26.2904, 26.0052, 3.6295
YIQ	130.6950, 68.3210, -32.2470

Conversions

Conversions Part 2

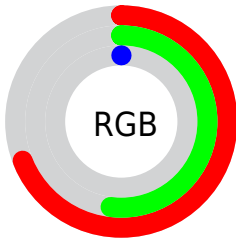
Format	Color
R_{YB}	57, 176, 0
Decimal	11568384
CIE Lab	58.04, 6.63, 63.29
CIE LCh	58, 63.639, 84.018
Yxy	26.0052, 0.4701, 0.4650
Android (android.graphics.Color)	4289758464 (0xFFB08500)
YUV	130.6950, -64.4326, 39.7325
Hunter-Lab	50.9953, 2.7832, 31.4768

Details

The Yxy color **26.0052, 0.4701, 0.4650** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **4.8610, 0.1578, 0.0882**, and the grayscale version is **22.7993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3803, 0.4445, 0.4458**, and **10.1922, 0.4785, 0.4583** is the 20% darker color. If you saturate the color by 10%, you get **26.0068, 0.4701, 0.4650**, and if you desaturate by 10%, it is **27.2505, 0.4604, 0.4647**.

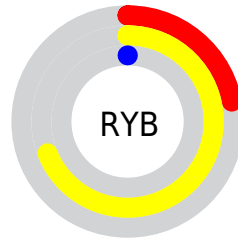
Distribution



Red (69%)

Green (52%)

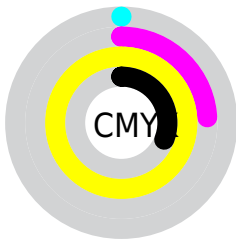
Blue (0%)



Red (22%)

Yellow (69%)

Blue (0%)

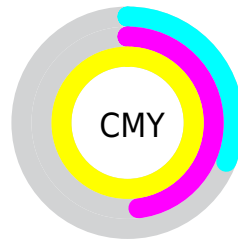


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.0052, 0.4701, 0.4650 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 26.0052, 0.4701, 0.4650 by changing the saturation by 10% instead.


 26.0052, 0.4701,
0.4650


 26.0052, 0.4701,
0.4650


282.8076, 0.3931,
0.4021


 16.8275, 0.4848,
0.4750


 53.2833, 0.4446,
0.4455

 10.1116, 0.5044,
0.4878


 72.1526, 0.4340,
0.4370


 5.4730, 0.5131,
0.4869

 95.0212, 0.4248,
0.4294

 2.5274, 0.5204,
0.4796

 122.2734, 0.4168,
0.4226


 0.8903, 0.5338,
0.4662


 154.2938, 0.4097,
0.4166


 0.0000, 0.0000,
0.0000


 191.4667, 0.4035,

0.4112

 234.1765, 0.3980,
0.4064


 26.0052, 0.4701,
0.4650


 26.0052, 0.4701,
0.4650


 26.0068, 0.4701,
0.4650

 27.2505, 0.4604,
0.4647

 28.5808, 0.4483,
0.4605

 30.0128, 0.4336,
0.4518

 31.5540, 0.4168,
0.4389

 33.2109, 0.3987,
0.4230

■ 34.9890, 0.3802,
0.4050

■ 36.8936, 0.3620,
0.3859

■ 38.9293, 0.3444,
0.3665

■ 41.1007, 0.3280,
0.3474

Harmonies

Analogous

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



26.0052, 0.5184, 0.3912



26.0052, 0.4701, 0.4650



26.0052, 0.3854, 0.5227

Triad

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



26.0052, 0.4701, 0.4650



26.0052, 0.1523, 0.2928



26.0052, 0.3075, 0.2065

Complementary

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



26.0052, 0.4701, 0.4650



4.8610, 0.1578, 0.0882

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.



26.0052, 0.2161, 0.1799



26.0052, 0.4701, 0.4650



26.0052, 0.1402, 0.2144

Square

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



26.0052, 0.4701, 0.4650



26.0052, 0.2026, 0.4136



26.0052, 0.1612, 0.1806



26.0052, 0.4190, 0.2562

Rectangle

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



26.0052, 0.4701, 0.4650



26.0052, 0.3206, 0.5277



26.0052, 0.1612, 0.1806



26.0052, 0.2733, 0.1948

Sweetspot

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



26.0068, 0.4701, 0.4650



66.7309, 0.3629, 0.3869



9.4112, 0.5922, 0.3036



14.1489, 0.3704, 0.3949



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



26.0068, 0.4701, 0.4650



46.7991, 0.4711, 0.4641



35.9533, 0.3759, 0.5397



9.5480, 0.3269, 0.3461



19.1782, 0.4694, 0.4655



0.6881, 0.4528, 0.4787

Inverse Universe

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



4.8610, 0.1578, 0.0882



8.5186, 0.1571, 0.0856



3.6698, 0.1648, 0.0681



8.5561, 0.2985, 0.3113



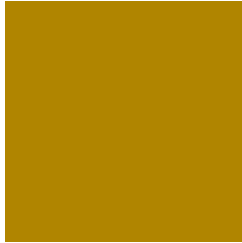
3.6461, 0.1583, 0.0899



0.2076, 0.1736, 0.1450

Previews

White Background



This preview shows how the Yxy color 26.0052, 0.4701, 0.4650 looks on a white background.

Color Contrast Check

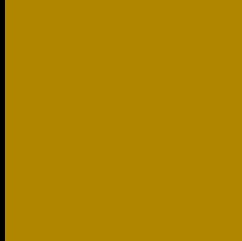
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.0052, 0.4701, 0.4650 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 26.0052, 0.4701, 0.4650

Background



This preview shows how black text looks on a background with the Yxy color 26.0052, 0.4701, 0.4650.



This preview shows how white text looks on a background with the Yxy color 26.0052, 0.4701, 0.4650.

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

26.0052, 0.4701, 0.4650

Protanopia

26.0450, 0.4388, 0.4857

Deuteranopia

26.1331, 0.4701, 0.4628



Tritanopia

26.0538, 0.3730, 0.3162

Trichromacy



Original Color

26.0052, 0.4701, 0.4650

Protanomaly

25.9038, 0.4513, 0.4772

Deuteranomaly

26.1287, 0.4705, 0.4633

Tritanomaly

25.5379, 0.4274, 0.3891

Monochromacy



Original Color

26.0052, 0.4701, 0.4650

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.3301, 0.3852, 0.4114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.0052, 0.4701, 0.4650 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(176, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 133, 0)  
}
```

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(176, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 133, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.0052, 0.4701, 0.4650 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(176, 133, 0) }
```

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

```
.border{ border-color:rgb(176, 133, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 133, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 133,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 26.0052, 0.4701, 0.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 133, 0) }
```

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

```
.background{ background-color: rgb(176,  
133, 0) }
```

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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