

Converting Colors

$Y_{xy}(26.9026, 0.4634, 0.4702)$

Have a look what the booklet for
Yxy(26.9026, 0.4634, 0.4702)
contains.

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Color

Yxy(27.0053, 0.4635, 0.4702)

Conversions

Conversions Part 1

Format	Color
Hex	AF8900
RGB	175, 137, 0
RGB Percent	69%, 54%, 0%
CMY	0.3138, 0.4627, 1.0000
CMYK	0.00, 0.22, 1.00, 0.31
HSL	47°, 100%, 34%
HSV	47°, 100%, 69%
XYZ	26.6205, 27.0053, 3.8079
YIQ	132.7440, 66.6250, -34.5510

Conversions

Conversions Part 2

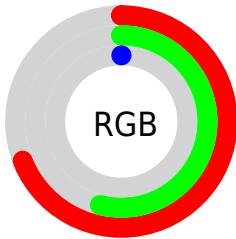
Format	Color
R_{YB}	49, 175, 0
Decimal	11503872
CIE Lab	58.98, 3.95, 63.87
CIE LCh	59, 63.993, 86.461
Yxy	27.0053, 0.4635, 0.4702
Android (android.graphics.Color)	4289693952 (0xFFAF8900)
YUV	132.7440, -65.4428, 37.0585
Hunter-Lab	51.9666, 0.4971, 32.0322

Details

The Yxy color **27.0053, 0.4635, 0.4702** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.4778, 0.1564, 0.0831**, and the grayscale version is **23.5822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9313, 0.4398, 0.4492**, and **10.8310, 0.4703, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **27.0067, 0.4635, 0.4702**, and if you desaturate by 10%, it is **28.1472, 0.4548, 0.4694**.

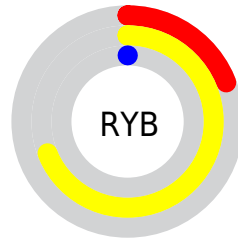
Distribution



Red (69%)

Green (54%)

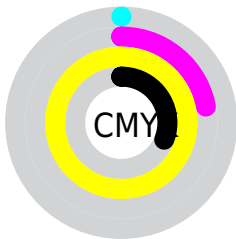
Blue (0%)



Red (19%)

Yellow (69%)

Blue (0%)

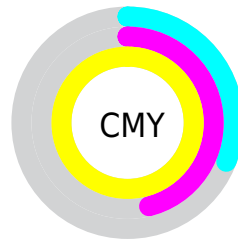


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0053, 0.4635, 0.4702 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 27.0053, 0.4635, 0.4702 by changing the saturation by 10% instead.


 27.0053, 0.4635,
0.4702


 27.0053, 0.4635,
0.4702


287.6828, 0.3906,
0.4042


 17.5772, 0.4771,
0.4813


 54.8924, 0.4396,
0.4494


 10.6469, 0.4943,
0.4949


 74.1201, 0.4296,
0.4404

 5.8299, 0.5024,
0.4976


 97.3832, 0.4209,
0.4324

 2.7419, 0.5067,
0.4933

 125.0661, 0.4133,
0.4254

 0.9985, 0.5143,
0.4857


 157.5531, 0.4066,
0.4191


 0.0000, 0.0000,
0.0000

 195.2286, 0.4006,

0.4136


 238.4770, 0.3953,
0.4086


 27.0053, 0.4635,
0.4702


 27.0053, 0.4635,
0.4702


 27.0067, 0.4635,
0.4702

 28.1472, 0.4548,
0.4694

 29.3633, 0.4438,
0.4647

 30.6699, 0.4301,
0.4555

 32.0743, 0.4143,
0.4423

 33.5824, 0.3970,
0.4260

■ 35.1998, 0.3792,
0.4075

■ 36.9314, 0.3614,
0.3878

■ 38.7818, 0.3442,
0.3678

■ 40.7551, 0.3279,
0.3480

Harmonies

Analogous

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



27.0053, 0.5153, 0.3971



27.0053, 0.4635, 0.4702



27.0053, 0.3775, 0.5240

Triad

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



27.0053, 0.4635, 0.4702



27.0053, 0.1508, 0.2850



27.0053, 0.3163, 0.2104

Complementary

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



27.0053, 0.4635, 0.4702



4.4778, 0.1564, 0.0831

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.



27.0053, 0.2228, 0.1819



27.0053, 0.4635, 0.4702



27.0053, 0.1416, 0.2109

Square

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



27.0053, 0.4635, 0.4702



27.0053, 0.1977, 0.4027



27.0053, 0.1651, 0.1803



27.0053, 0.4269, 0.2615

Rectangle

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



27.0053, 0.4635, 0.4702



27.0053, 0.3128, 0.5239



27.0053, 0.1651, 0.1803



27.0053, 0.2816, 0.1981

Sweetspot

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



27.0067, 0.4635, 0.4702



65.9981, 0.3623, 0.3888



9.2699, 0.5972, 0.3063



14.3793, 0.3696, 0.3970



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.



27.0067, 0.4635, 0.4702



48.0503, 0.4644, 0.4695



35.2637, 0.3731, 0.5420



9.0309, 0.3268, 0.3467



19.4393, 0.4629, 0.4707



0.6132, 0.4474, 0.4830

Inverse Universe

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



4.4778, 0.1564, 0.0831



7.7596, 0.1558, 0.0808



3.6904, 0.1666, 0.0691



8.0285, 0.2986, 0.3107



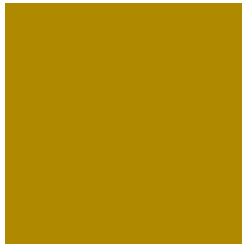
3.2843, 0.1569, 0.0848



0.1697, 0.1724, 0.1405

Previews

White Background



This preview shows how the Yxy color 27.0053, 0.4635, 0.4702 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 27.0053, 0.4635, 0.4702 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 27.0053, 0.4635, 0.4702

Background



This preview shows how black text looks on a background with the Yxy color 27.0053, 0.4635, 0.4702.



This preview shows how white text looks on a background with the Yxy color 27.0053, 0.4635, 0.4702.

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

27.0053, 0.4635, 0.4702

Protanopia

27.2395, 0.4387, 0.4864

Deuteranopia

27.0532, 0.4696, 0.4613



Tritanopia

26.9300, 0.3671, 0.3148

Trichromacy



Original Color

27.0053, 0.4635, 0.4702

Protanomaly

27.1677, 0.4474, 0.4808

Deuteranomaly

27.0864, 0.4669, 0.4650

Tritanomaly

26.5044, 0.4207, 0.3923

Monochromacy



Original Color

27.0053, 0.4635, 0.4702

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.0020, 0.3830, 0.4108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0053, 0.4635, 0.4702 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(175, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 137, 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(175, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 137, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.0053, 0.4635, 0.4702 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(175, 137, 0) }
```

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

```
.border{ border-color:rgb(175, 137, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 137, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 137,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0053, 0.4635, 0.4702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 137, 0) }
```

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

```
.background{ background-color: rgb(175,  
137, 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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