

Converting Colors

$Y_{xy}(27.4393, 0.4597, 0.4965)$

Have a look what the booklet for
Yxy(27.4393, 0.4597, 0.4965)
contains.

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Color

Yxy(27.6708, 0.4493, 0.4815)

Conversions

Conversions Part 1

Format	Color
Hex	A88E00
RGB	168, 142, 0
RGB Percent	66%, 56%, 0%
CMY	0.3412, 0.4431, 1.0000
CMYK	0.00, 0.15, 1.00, 0.34
HSL	51°, 100%, 33%
HSV	51°, 100%, 66%
XYZ	25.8203, 27.6708, 3.9768
YIQ	133.5860, 61.0780, -38.6500

Conversions

Conversions Part 2

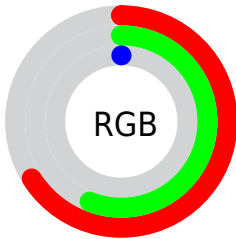
Format	Color
R_{YB}	31, 168, 0
Decimal	11046400
CIE _{Lab}	59.59, -1.99, 63.97
CIE _{LCh}	60, 64.002, 91.785
Yxy	27.6708, 0.4493, 0.4815
Android (android.graphics.Color)	4289236480 (0xFFA88E00)
YUV	133.5860, -65.8579, 30.1811
Hunter-Lab	52.6030, -4.4382, 32.3398

Details

The Yxy color **27.6708, 0.4493, 0.4815** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.5653, 0.1538, 0.0738**, and the grayscale version is **23.9104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8160, 0.4285, 0.4570**, and **11.0338, 0.4514, 0.4798** is the 20% darker color. If you saturate the color by 10%, you get **27.6724, 0.4493, 0.4815**, and if you desaturate by 10%, it is **28.4947, 0.4427, 0.4794**.

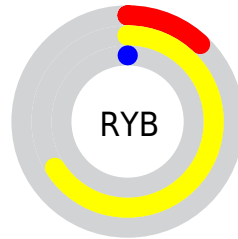
Distribution



Red (66%)

Green (56%)

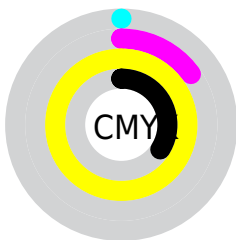
Blue (0%)



Red (12%)

Yellow (66%)

Blue (0%)

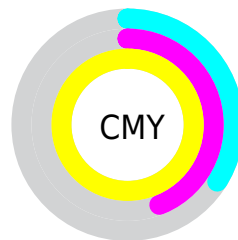


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6708, 0.4493, 0.4815 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 27.6708, 0.4493, 0.4815 by changing the saturation by 10% instead.


 27.6708, 0.4493,
0.4815


 27.6708, 0.4493,
0.4815


290.8905, 0.3845,
0.4080


 18.0777, 0.4607,
0.4951


 55.9584, 0.4285,
0.4574


 11.0058, 0.4743,
0.5117


 75.4217, 0.4197,
0.4474


 6.0707, 0.4797,
0.5203

 98.9438, 0.4119,
0.4386

 2.8881, 0.4775,
0.5225

 126.9091, 0.4050,
0.4309

 1.0736, 0.4736,
0.5264


 159.7020, 0.3990,
0.4241


 0.0000, 0.0000,
0.0000

 197.7070, 0.3936,

0.4181

 241.3084, 0.3888,
0.4127


 27.6708, 0.4493,
0.4815


 27.6708, 0.4493,
0.4815


 27.6724, 0.4493,
0.4815

 28.4947, 0.4427,
0.4794

 29.3687, 0.4338,
0.4737

 30.3081, 0.4223,
0.4636

 31.3193, 0.4085,
0.4496

 32.4075, 0.3931,
0.4323

■ 33.5775, 0.3767,
0.4128

■ 34.8335, 0.3600,
0.3919

■ 36.1793, 0.3435,
0.3706

■ 37.6187, 0.3277,
0.3494

Harmonies

Analogous

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



27.6708, 0.5086, 0.4099



27.6708, 0.4493, 0.4815



27.6708, 0.3604, 0.5263

Triad

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



27.6708, 0.4493, 0.4815



27.6708, 0.1477, 0.2688



27.6708, 0.3357, 0.2188

Complementary

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



27.6708, 0.4493, 0.4815



3.5653, 0.1538, 0.0738

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.



27.6708, 0.2375, 0.1859



27.6708, 0.4493, 0.4815



27.6708, 0.1444, 0.2036

Square

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



27.6708, 0.4493, 0.4815



27.6708, 0.1874, 0.3798



27.6708, 0.1736, 0.1793



27.6708, 0.4438, 0.2727

Rectangle

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



27.6708, 0.4493, 0.4815



27.6708, 0.2960, 0.5149



27.6708, 0.1736, 0.1793



27.6708, 0.2999, 0.2051

Sweetspot

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



27.6724, 0.4493, 0.4815



63.0844, 0.3609, 0.3931



8.4082, 0.6144, 0.3158



13.5460, 0.3677, 0.4016



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.



27.6724, 0.4493, 0.4815



49.9614, 0.4499, 0.4810



31.4482, 0.3622, 0.5506



8.5732, 0.3266, 0.3479



20.9589, 0.4489, 0.4817



0.5615, 0.4377, 0.4906

Inverse Universe

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



3.5653, 0.1538, 0.0738



6.2701, 0.1533, 0.0717



3.6677, 0.1752, 0.0739



7.4810, 0.2986, 0.3093



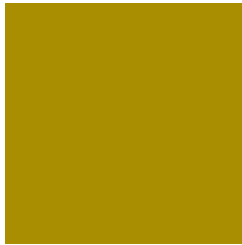
2.7430, 0.1542, 0.0750



0.1205, 0.1675, 0.1229

Previews

White Background



This preview shows how the Yxy color 27.6708, 0.4493, 0.4815 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 27.6708, 0.4493, 0.4815 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 27.6708, 0.4493, 0.4815

Background



This preview shows how black text looks on a background with the Yxy color 27.6708, 0.4493, 0.4815.

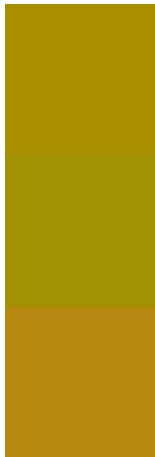


This preview shows how white text looks on a background with the Yxy color 27.6708, 0.4493, 0.4815.

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

27.6708, 0.4493, 0.4815

Protanopia

27.6389, 0.4391, 0.4874

Deuteranopia

27.5908, 0.4690, 0.4590



Tritanopia

27.6856, 0.3526, 0.3145

Trichromacy



Original Color

27.6708, 0.4493, 0.4815

Protanomaly

27.5440, 0.4430, 0.4852

Deuteranomaly

27.5460, 0.4624, 0.4670

Tritanomaly

27.2307, 0.4066, 0.3971

Monochromacy



Original Color

27.6708, 0.4493, 0.4815

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.6582, 0.3786, 0.4160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6708, 0.4493, 0.4815 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, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 142, 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(168, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.6708, 0.4493, 0.4815 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, 142, 0) }
```

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

```
.border{ border-color:rgb(168, 142, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 142,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6708, 0.4493, 0.4815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 142, 0) }
```

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

```
.background{ background-color: rgb(168,  
142, 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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