

Converting Colors

$Y_{xy}(28.0995, 0.4519, 0.4794)$

Have a look what the booklet for
Yxy(28.0995, 0.4519, 0.4794)
contains.

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Color

$Y_{xy}(28.0039, 0.4526, 0.4788)$

Conversions

Conversions Part 1

Format	Color
Hex	AB8E00
RGB	171, 142, 0
RGB Percent	67%, 56%, 0%
CMY	0.3293, 0.4432, 0.9997
CMYK	0.00, 0.17, 1.00, 0.33
HSL	50°, 100%, 34%
HSV	50°, 100%, 67%
XYZ	26.4715, 28.0039, 4.0123
YIQ	134.4830, 62.8660, -38.0140

Conversions

Conversions Part 2

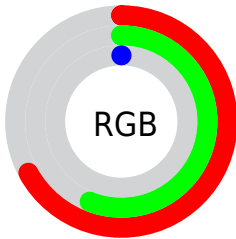
Format	Color
RYB	35, 171, 0
Decimal	11243008
CIELab	59.89, -0.60, 64.29
CIELCh	60, 64.298, 90.532
Yxy	28.0039, 0.4526, 0.4788
Android (android.graphics.Color)	4289433088 (0xFFAB8E00)
YUV	134.4830, -66.3001, 32.0254
Hunter-Lab	52.9187, -3.3167, 32.5478

Details

The Yxy color **28.0039, 0.4526, 0.4788** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **3.8259, 0.1544, 0.0758**, and the grayscale version is **24.2646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3081, 0.4311, 0.4555**, and **11.2317, 0.4562, 0.4759** is the 20% darker color. If you saturate the color by 10%, you get **28.0007, 0.4526, 0.4788**, and if you desaturate by 10%, it is **28.9216, 0.4455, 0.4770**.

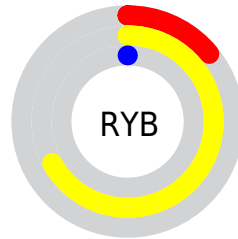
Distribution



Red (67%)

Green (56%)

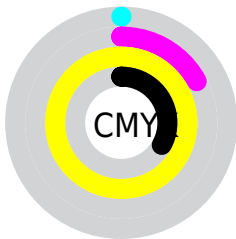
Blue (0%)



Red (14%)

Yellow (67%)

Blue (0%)

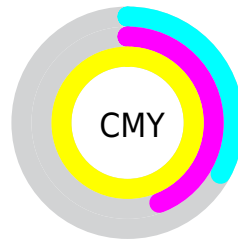


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0039, 0.4526, 0.4788 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 28.0039, 0.4526, 0.4788 by changing the saturation by 10% instead.


 28.0039, 0.4526,
0.4788


 28.0039, 0.4526,
0.4788


292.4856, 0.3861,
0.4073


 18.3286, 0.4645,
0.4918


 56.4907, 0.4312,
0.4556

 11.1862, 0.4785,
0.5072


 76.0709, 0.4221,
0.4459


 6.1922, 0.4850,
0.5150

 99.7216, 0.4142,
0.4373

 2.9623, 0.4844,
0.5156

 127.8272, 0.4071,
0.4298


 1.1121, 0.4833,
0.5167


 160.7719, 0.4009,
0.4231


 0.0000, 0.0000,
0.0000

 198.9403, 0.3954,


0.4172


 242.7167, 0.3905,
0.4120


 28.0039, 0.4526,
0.4788


 28.0039, 0.4526,
0.4788


 28.0007, 0.4526,
0.4788

 28.9216, 0.4455,
0.4770

 29.8959, 0.4362,
0.4716

 30.9422, 0.4241,
0.4617

 32.0671, 0.4099,
0.4478

 33.2763, 0.3940,
0.4307

■ 34.5746, 0.3773,
0.4114

■ 35.9666, 0.3603,
0.3908

■ 37.4564, 0.3436,
0.3698

■ 39.0478, 0.3276,
0.3490

Harmonies

Analogous

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



28.0039, 0.5101, 0.4069



28.0039, 0.4526, 0.4788



28.0039, 0.3645, 0.5257

Triad

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



28.0039, 0.4526, 0.4788



28.0039, 0.1485, 0.2725



28.0039, 0.3311, 0.2169

Complementary

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



28.0039, 0.4526, 0.4788



3.8259, 0.1544, 0.0758

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.



28.0039, 0.2340, 0.1851



28.0039, 0.4526, 0.4788



28.0039, 0.1439, 0.2053

Square

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



28.0039, 0.4526, 0.4788



28.0039, 0.1898, 0.3851



28.0039, 0.1717, 0.1796



28.0039, 0.4398, 0.2701

Rectangle

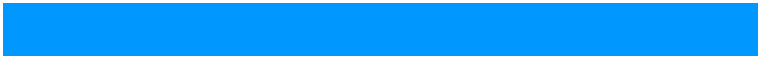
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.0039, 0.4526, 0.4788



28.0039, 0.2999, 0.5170



28.0039, 0.1717, 0.1796



28.0039, 0.2956, 0.2035

Sweetspot

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



28.0053, 0.4526, 0.4788



64.2469, 0.3613, 0.3921



8.7634, 0.6105, 0.3137



14.0960, 0.3682, 0.4006



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



28.0053, 0.4526, 0.4788



49.8610, 0.4533, 0.4783



32.9087, 0.3648, 0.5485



9.0952, 0.3267, 0.3477



21.1694, 0.4522, 0.4791



0.6491, 0.4408, 0.4882

Inverse Universe

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



3.8259, 0.1544, 0.0758



6.6312, 0.1538, 0.0737



3.7332, 0.1729, 0.0726



7.9689, 0.2986, 0.3096



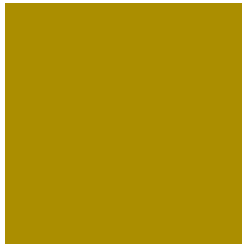
2.9354, 0.1547, 0.0770



0.1463, 0.1681, 0.1252

Previews

White Background



This preview shows how the Yxy color 28.0039, 0.4526, 0.4788 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 28.0039, 0.4526, 0.4788 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 28.0039, 0.4526, 0.4788

Background



This preview shows how black text looks on a background with the Yxy color 28.0039, 0.4526, 0.4788.

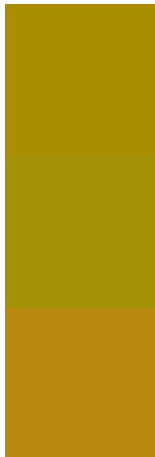


This preview shows how white text looks on a background with the Yxy color 28.0039, 0.4526, 0.4788.

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

28.0039, 0.4526, 0.4788

Protanopia

28.0505, 0.4388, 0.4873

Deuteranopia

27.9931, 0.4689, 0.4596



Tritanopia

28.0392, 0.3561, 0.3147

Trichromacy



Original Color

28.0039, 0.4526, 0.4788

Protanomaly

28.0623, 0.4438, 0.4842

Deuteranomaly

28.0709, 0.4632, 0.4664

Tritanomaly

27.5766, 0.4101, 0.3961

Monochromacy



Original Color

28.0039, 0.4526, 0.4788

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.7502, 0.3798, 0.4156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0039, 0.4526, 0.4788 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(171, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.0039, 0.4526, 0.4788 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(171, 142, 0) }
```

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

```
.border{ border-color:rgb(171, 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(171, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 142,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0039, 0.4526, 0.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 142, 0) }
```

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

```
.background{ background-color: rgb(171,  
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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